

BADGER STATE

Smoke Signals

For Radio Amateurs • By Radio Amateurs

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Meet WB9GIE/ SPM (Self Propelled Mobile)

Elroy Shelley, WB9GIE, in the photo at left, does a lot of biking, and does a lot of hamming from his bike. He has worked the world with his 5-watt HF bike/mobile, and he's had many interesting adventures along the way. Read more about WB9GIE/-Bike Mobile in K9GDF's story on page 6 of this issue. □

- Photo by Rich Regent, K9GDF

FCC sets Date for Tech, Disabled Testing Changes

On Dec. 13, the Federal Communications Commission issued Reports and Orders in the matters of a code-free amateur license and of relaxed Morse code testing for the disabled. February *QST* will carry the complete text of their R&O on the code-free Technician license and a detailed report on new CW testing procedures for the disabled. Here are the highlights:

The effective date for code-free Technician license exams is February 14, and details are mostly as described in the last *ARRL Letter* and *Badger State Smoke Signals*. The R&O does provide insight into the Commission's thinking on the matter. They begin by noting that 70 percent of comments received favored "at least an entry level codeless license." Comments from organizations ranging from the American Radio Relay League to the Quarter Century Wireless Association also are invoked, and those of the QCWA were apparently given heavy consideration.

Comments noted by FCC in opposition to a code-free license were that CW is a superior means of communication that should be retained for all license classes, and that tradition should be

Please turn to page 13

1991 Wisconsin QSO Party

Sponsored by the West Allis Radio Amateur Club

1800Z March 10 to 0100Z March 11, 1991

Open to ALL Radio Amateurs

Full information, rules, and score summary form on pages 9 and 10 of this issue

ELMER

RST 569 AT
1427 UTC



17 METERS CW
QRP DX QSO
PSE QSL CUL.



AN IRC AND
SASE. OH
YES, AND...



by Rich Regent, K9GDF

A LIST OF
ABBREVIATIONS!



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Swapfests and Other Social Events

SUNDAY, MARCH 24, 1991. Lamarsfest, Lake County Fairgrounds, Grayslake, IL. Contact LAMARS, Box 751, Libertyville, IL 60048. Commercial exhibitors call Frank Avellone, W9GLO, (708) 295-6300.

SUNDAY, APRIL 7, 1991. MARA Swapfest, Madison WI. (See ad on last page this issue.) SATURDAY, MAY 4, 1991. 13th annual Cedarburg Swapfest at the Circle-B Recreation center, Highway 60 and County I. Contact: ORC Swapfest, 11448 Laguna Drive, Mequon, WI 53091. (414) 242-4995.

SATURDAY, MAY 4, 1991. The Ozaukee Radio Club will sponsor its thirteenth annual Cedarburg Swapfest at the Circle-B Recreation Center, Highway 60 and County I. Contact ORC Swapfest, 11448 Laguna Drive, Mequon, WI 53092. (414) 242-4995

SATURDAY, MAY, 11, 1991. Lakeshore Swapfest, Manitowoc, WI.

SUNDAY, JUNE 16, 1991. CWRA Swapfest, Stevens Point, WI.

SATURDAY, JULY 6, 1991. South Milwaukee Swapfest. (See ad on last page this issue.)

SATURDAY, JULY 27, 1991. Annual Eau Claire Hamfest and Computer Expo., Eau Claire, WI. Contact: Liz Searing, 1129 McKinley Road, Eau Claire, WI 54701. (715) 834-1303.

AUGUST 23-25, 1991. 1991 ARRL NATIONAL CONVENTION AND HAMFEST. Saginaw, Michigan. Contact: 1991 National ARRL Convention, P.O. Box 1783, Saginaw, Michigan.

SEPTEMBER 21-22, 1991. PEORIA SUPERFEST. Exposition Gardens, Peoria, IL. Contact: Peoria Area Amateur Radio Club, P.O. Box 3508, Peoria, IL 61612-3508.

SUNDAY, OCTOBER 13, 1991. KMRA Swapfest, Waukesha, WI. Contact: KMRA Swapfest, P.O. Box

276, Waukesha, WI 53187-0276

SUNDAY, NOVEMBER 3, 1990. The FOXCITIES HAMFEST 91, will be held at the Starlite Club on Hwy. 55 North of Kaukauna. For information contact Don Baker, NB9J, 621 W. 7th St., Kaukauna, WI. 54130. (414) 766-3886.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

Club Meetings

Due to space limitations, we cannot always carry the full listing of Wisconsin and area club meetings. Please see the December 1990 BSSS meetings column for the latest complete listing. The following are additions or changes since that listing.

GREEN FOX ARC & ROCK RIVER ARC

There will be a combined meeting with the Green Fox ARC, The Watertown ARC and the Rock River ARC on Monday, March 11, 1991 at Rhodes Wooden Wheel Restaurant, 1102 Madison St., Beaver Dam.

MADISON AREA REPEATER ASSN

The meeting schedule for 1991 is as follows: Mar. 11, Sept. 9 and Nov. 11.

MILWAUKEE RADIO AMATEURS CLUB

Fourth Thur. - Room #280 Wauwatosa East High

School, located at 74th and Milwaukee Ave. in Wauwatosa. No meetings in July, August and December.) Meetings begin at 7:00 pm.

YELLOW THUNDER AMATEUR RADIO CLUB (BARABOO)

Days rotate: Scheduled meeting dates:

February 13 (Wed.) Room --

All meeting at the Baraboo Civic Center, Baraboo, WI. Meetings start 7:30 p.m.

RACINE CLUBS TO HOLD WINTER BANQUET

Racine area hams have an opportunity to enjoy a winter break and great fellowship when they attend their annual banquet Saturday, February 16th, at the Racine Yacht Club. Cocktail hour will be from 6-7 PM followed by dinner. Menu choices will be chicken breast (\$11.00) orange roughly (\$12.00), and prime rib (\$14.50). Reverend Jim (WAOPFV) has promised us a surprise dessert.

Following dinner we will have introductions, a brief summary of club activities from each of the four club's presidents, the announcements of the new Ham of the Year, and the distribution of door prizes.

Steve Bellgraph (K9ZL) will prepare a display of pictures showing the club's activities this past year. If you have a photo to contribute, please get in touch with him. (634-1347).

Reservations may be made through Feb. 9th by calling Hank Helett (878-1353), Fern Fisher (632-1529) or Bob Jensen (886-8551).

We look forward to seeing "old" friends and meeting new amateurs from the Racine ARA. We hope you'll consider joining us for this gala QSO party.

The Test Point

**Amateur Radio examinations
scheduled in and around Wisconsin**

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area. (Underlined are added or changed since last months BSSS.)

February 6, 1991	Milwaukee, WI (MRAC)
February 16, 1991	Milwaukee, WI (BE)
February 23, 1991	Madison, WI
March 6, 1991	Milwaukee, WI (MRAC)
March 9, 1991	Dubuque, IA
March 16, 1991	Milwaukee, WI (BE)
March 30, 1991	Menomonie, WI
April 5, 1991	Madison, WI
April 10, 1991	Milwaukee, WI (MRAC)
April 13, 1991	Eau Claire, WI
April 20, 1991	Milwaukee, WI (BE)
April 25, 1991	Marshfield, WI (Tech. only)
April 27, 1991	Marshfield, WI
May 1, 1991	Milwaukee, WI (MRAC)
May 4, 1991	Cedarburg, WI (BE) Ozaukee RC Swapfest
June 5, 1991	Milwaukee, WI (MRAC)
June 8, 1991	Dubuque, IA
June 16, 1991	Stevens Point, WI
July 27, 1991	Eau Claire, WI
September 7, 1991	Dubuque, IA

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Address changes and corrections should be sent to Kenneth A. Ebnetter, address above.

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address above.

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Subscriptions should be sent, with check or money order, to Jim Decker, address above.

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Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other organization.

October 12, 1991 Eau Claire, WI
 October 13, 1991 Waukesha (BE)
 KMRA Swapfest
 November 2, 1991 Menomonie, WI
 November 3, 1991 Kaukauna, WI
 December 7, 1991 Dubuque, IA
 March 28, 1992 Menomonie, WI
 November 7, 1992 Menomonie, WI

Monthly, First Sat. Racine, WI
 (except January, July & August)
 Monthly, Last Sat. Tomahawk, WI
 (January thru October only)
 Monthly, Third Sat. Loves Park, IL
 Minnesota tests listed at end of column

GENERAL RULES FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 25¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.25 payable to "ARRL/VEC".

The FCC now requires applicants to show their original Amateur license to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB MRAC/VEC

1991 examination dates:

February 6, March 6, April 10, May 1, and June 5, 1991

Wauwatosa East High School, North 74th and Milwaukee Avenue. Enter through the southmost entrance on 74th Street. Go to room 256 on the 2nd floor. Please arrive promptly, so testing can be completed before 10:00 p.m. Bring along your original license and two (2) good quality photocopies, plus two forms of identification, such as a driver's license, etc. Also required are a pen and \$5.00 for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, 1737 North 116th Street, Wauwatosa, WI 53226, or to Ed Seruga, KE9JJ, 3840 South 43rd Street #21, Milwaukee, WI 53220. Telephones: (414) 774-6999 or (414) 545-6299.

BADGER EXAMINERS (BE) - MILWAUKEE

Jan. 19, Feb. 16, Mar. 16

Apr. 16. - Ozaukee Swapfest (Cedarburg)

Oct. 13. - KMRA Swapfest (Waukesha)

Unless otherwise noted, examinations are

administered beginning at 1:00 p.m. to 3:30 p.m. at St. Nicholas Church basement, 5345 N. Green Bay Ave. (2 1/2 blocks south of Silver Spring), Milwaukee. Walk-ins are welcome. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

MADISON, WISCONSIN (ARRL/VEC)

Feb. 23, 1991 & April 5, 1991

Exams will be held at Fire Station #2, 421 Grand Canyon Dr. (Across for Chi-Chi's restaurant. The test sessions begin promptly at 8:00 a.m.

EAU CLAIRE, WISCONSIN

1991 dates: Apr. 13, Jul. 27, & Oct. 12

Exams given at the UW/EC Maintenance/Central Stores Building, except for July 27, which will be at the 4-H Fairgrounds Hamfest site. Info from Carl Searing, W9NW, (715) 834-1303.

KAUKAUNA, WI

November 3, 1991

Held at the FOXCITIES HAMFEST 91, Starlite Club on Hwy. 55, North of Kaukauna. Exams begin at 9:00 a.m. Contact Larry, KD9IA at (414) 788-3823, or Don, NB9J at (414) 766-3886.

STEVENS POINT, WI

June 16, 1991

Held in conjunction with the CWRA annual swapfest at the UWSP University Center. Walk-ins accepted, but preregistration preferred. Contact: Joe Larson, NJ9W at (715) 344-1182.

MENOMONIE WI - ARRL/VEC

Saturdays: Mar. 30 and Nov. 2, 1991 and Mar. 28 and Nov. 7, 1992.

The Northern Wisconsin Radio Club administers exams from 9 to 11:30 a.m. at the Wisconsin Credit Union Building, Lower level conference room, 444 S. Broadway, Menomonie, WI. Use front entrance of building. Walk-ins are accepted only to extent of available exam materials. Contact: Dr. Tom King, WF9I, VE Team Liaison, 4817 Sierra Dr., Eau Claire, WI 54701. (715) 836-3980 or (715) 834-7777.

MARSHFIELD, WI (ARRL/VEC)

Thursday, April 25, 1991, 7PM

Technician only

Saturday, April 27, 1991, 9AM

All class licenses

Location: St. Joseph's Hospital, School of Nursing, room 124, St. Joseph Ave., Marshfield, WI.

Preregistration preferred Contact: Robert McDaniel, WA9K, 904 W. Blodgett, Marshfield, WI 54449. (715) 389-2256.

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Exams are given at 9:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted. Inquiries and registrations should be directed to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

DUBUQUE, IOWA - ARRL/VEC

Exam dates for 1991 are: March 9, June 8, September 7, and December 7.

The Great River Amateur Radio Club VEs are now field stocked, which means retests can be given immediately.

Exams are held at 9:00 a.m. at the Central Fire Station, 9th and Central in Dubuque. Use the basement entrance on 9th Street. For more info, contact Mike Jozefowicz, NS0U, 2735 Hickory Hill, Dubuque IA 52001, or call Mike at (319) 582-8563. Talk-ins are on the 147.84/24 and 147.63/03 repeaters. -- (Thanks Art Evans, KA9KLZ)

TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Greg Garner, WA9W, 4088 Highway 51, Harshaw, WI 54529. Telephone (715) 453-7096.

LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (DeVry VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Dennis G. Eksten, W9SS, 5006 N. Second St., Loves Park, IL 61111. (815) 877-6768.

MINNESOTA TESTS

February 9, 1991 Bloomington, MN
 Bloomington Amateur Radio Club (BARC)
 Creekside Community Center
 98th and Penn Ave. So.
 Bloomington, MN
 contact: Art Putt (612) 881-7181



WANTED: Drake R-7 receiver. Send price and description first letter. All replies acknowledged. George Loudon, N9CCI, 205 East Main St. Omro, WI 54963.

WANTED: SB-200 amplifier. Millard Christianson, WU9L, 424 W. Pine St., Sturgeon Bay, WI 54235. (414) 743-1310.

Wisconsin Nets Association Ltd.

Net Columns Written and Edited by the Net Managers

Wisconsin Nets

Net	WNA	Freq.	UTC	CST	Mgr.
BWN	Yes	3984	1200	0600	W9AYK
BEN	Yes	3985	1800	1200	N9IAI
WSBN	Yes	3985	2330	1730	K9UTQ
WNN	Yes	3723	2400	1800	KA9FVX
WSSN	Yes	3645	0030	1830	N9BDL
WIN/E	Yes	3882	0100	1900	WB9ICH
WIN/L	Yes	3662	0400	2200	W9NGP
NWTN	Yes	34/94	0030	1830	N59Q
(Rhinelander area)					
6:30 Net	No	01/61	0030	1830	KA9OMC
Gr. Bay	No	72/12	0245	2045	WB9NRK
(Green Bay area)					
ARES	No	4.65/5.25	0200	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1815	1215	WC9AAG
(USB Tuesday and Thursday)					
RACES	No	3993.5	1400	0800	WA9OAY
(LSB Sunday)					

Section Manager's Notes



Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221

The Wisconsin QSO Party starts at noon on Sunday, March 10th. Join the on-the-air fun, meet other Wisconsin amateurs and friends, give the Wisconsin QSO Party a try. Check information in *QST Contest Corral*, or ask other amateurs for details. (You might also look on pages 9 and 10 of this issue of *Badger State Smoke Signals*. - Editor.)

License exams March 2nd in Racine and March 30th in Tomahawk.

Milwaukee RAC offers nine-session license classes starting March 13, Wednesdays at 7:30 p.m. at Wauwatosa East High School.

Rock River RC voted W9IZG as their Amateur of the Year, and honored President W9BCV for years of outstanding work; also offer many successful license classes.

Fox Cities ARC will have Screen Printing and Mass Production of Circuit Boards program at March 18th meeting.

March 11th around 7 p.m. at Rhodes Wooden Wheel Restaurant in Beaver Dam, there will be a combined meeting of Green Fox ARC, Watertown ARC, and Rock River RC. Each club will compete

Glass Arm Report (Wisconsin Slow Speed Net)

Lee G. Andreas, N9BDL, Net Manager
Rt. 1, 7600 Hwy. D East
Lake Tomahawk, WI 54539-9500

It has been a rather calm quarter since the last report. Traffic and checkins were up seasonally, but no records were set for any category. One bright spot has been the number of different stations checking into the net. In December, 33 different hams checked in with us. November's record shows 30 different stations on the payroll. We have a few new "regulars" who have been coming back for second helpings. Andy, N9KHD, of Ogema, should have his Section Net Certificate by the time this publication hits the newsstands all over the Badger State. Andy was licensed in the past, and has just recently renewed his interest in hamming after letting his old license lapse. To top it all off, Andy prefers CW over all of the other modes.

Just in case you are interested in obtaining one of those Section Net Certificates to proudly hang on your wall, here are the rules as specified by the Wisconsin Nets Association Ltd.: Check into the net at least 30 times in a three-month period. This is true of all of the nets that are a part of WNA. For SSB or FM nets, you must alert the net manager that you have fulfilled the requirement. With the CW nets, it is different. The net manager keeps track of every checkin (or is *supposed* to keep track), and will instruct the Section Traffic Manager (K9KSA) to issue the certificate. A gentle reminder to the net manager is not out of order, just in case he forgets to check the list for new certificatees. After the issuance of the certificate, each net manager has a set of criteria for issuing a white annual renewal sticker to be affixed to the certificate. Net control stations receive a special sticker to add to the certificate. Their sticker is red. Stations who perform liaison duty to another net get blue stickers. Next time you are in the shack of an active traffic handler, look on the wall for the display of these certificates and stickers.

As this report is being written, our local postal person is picking up the letters to all members of WSSN with their renewal and NCS stickers. This is just a token of appreciation to those who help to make the Wisconsin Slow Speed Net a success. I hope your walls wear them proudly and in good health.

For those of you who join us for the first time

for the best 20 minute program; judges will award a beautiful travelling trophy.

Madison Area Repeater Association Net meets Wednesdays at 9 p.m. on 147.15 MHz.

at 6:30 p.m. local time on 3.645 MHz, don't be alarmed or think your ability to copy CW has gone west if you hear Sir Slim of Baghdad and his camels or Redeyes sending messages back and forth that are a little out of the ordinary. Those are not secret coded messages for which one must have a Capt. Midnight secret decoder badge to understand. They are a special form of training message that is strictly off the left field wall. Those messages do not split the airwaves each and every evening. You must be on your toes to catch them. What you have just read is a subtle invitation to join us every evening. In another Glass Arm Report, I will hit you over the head Madison Avenue-style to get you to be part of this enjoyment.

73, Lee, N9BDL, NM

Wisconsin Intrastate Net/Early (WIN/E)

Larry Guthu, WB9ICH, Net Manager
706 West Jennings
New London, WI 54961

Hi gang. It's been quite some time since we've written for these pages, but we've been so busy with other projects and the holidays that the time just flew by. I hope to make amends for that this year.

First, I'd like to wish everyone a Happy New Year and hope that 1991 will bring you all good health and happiness.

Now, on to all the good stuff. 1990 was not a good year for our net, when I compare it to 1989. Our total traffic offered/passed, as compared to 1989, has dropped 57% and 55% respectively. This really got me thinking. Are we really losing this much traffic to packet, or is there another reason? The only other reason I can show for the drop is that we lost a couple of people who used to QNI almost nightly. That would mean that these people were bringing the bulk of the traffic, so I hope I'm wrong in assuming that the latter is the problem.

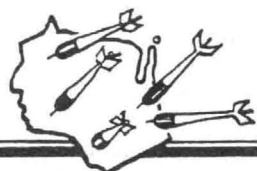
Also, our total net time has dropped off by 16% from last year, from 102.38 hours to 86.46 hours. There is a positive side to all this: our total QNI

Please turn to page 14

A summary of the WNA meeting on the air Dec. 1, 1990 will be published in March 1991 BSSS. □

Rock River RC Net meets Saturdays on 7.277 or 3.985 MHz (depending on band conditions) at 10:30 a.m., and Mondays on 146.04 MHz at 7:30 p.m.

Sorry to report Silent Key NK9X. □



HERE and THERE



Wisconsin Section Manager Richard Regent, K9GDF, is shown above as he addressed those attending the Rock River Radio Club's Christmas Party. More photos and RRRC are on page 11 of this issue. - Photo courtesy Duane Haas/W9BCV

AMATEUR RADIO CALL SIGN LIST: Here are the latest (as of Dec. 1, 1990) call signs issued by the FCC:

District	Group A Extra	Group B Advanced	Group C Tech/Gen	Group D Novice
0	AA0CW	KF0OI	N0MRS	KB0HUQ
1	WN1M	KC1YL	N1IGM	KA1WSU
2	AA2CN	KE2YH	N2LKZ	KB2LOI
3	WG3V	KD3UY	N3ISG	KA3YBS
4	AC4AY	KN4TI		KC4UJV
5	AA5WC	KI5LS	N5RTK	KB5OFU
6	AA6ZU	KK6TN		KC6PPF
7	AA7GV	KG7KW	N7PXO	KB7MBI
8	AA8CR	KF8KO	N8NCU	KB8LBL
9	WX9M	KF9AG	N9KHY	KB9FSV
Hawaii		AH6KT	NH6XY	WH6CJP
Alaska		AL7MF	NL7VP	WL7BZN
V.I.	NP2I	KP2BV	NP2EB	WP2AHF
P.R.		KP4RI		WP4JPM

- The ARRL Letter, 12/31/90

IS THE TOWER YOUR REPEATER'S ANTENNA IS ON LEGAL? If you're renting or borrowing space on a commercial tower, be advised that the FCC may be interested in you. According to the Dec. 17 issue of *Broadcasting* magazine, a two-day inspection of such towers by the FCC in November found 16 percent (160 out of 1,031) "in apparent violation of safety rules governing their painting and lighting." Each licensee using tower space is separately responsible for lighting and painting, said Richard Smith, chief of the FCC Field Operations Bureau. The Commission has begun levying fines (mostly \$2,000) against each user of towers it found in violation, according to *Broadcasting*.

- The ARRL Letter, 12/31/90

ILLEGAL OPERATORS TO MAKE \$147,000 CONTRIBUTION TO U.S. TREASURY - INVOLUNTARILY: On December 13 and 14, the FCC identified 141 radio operators illegally transmitting on frequencies adjacent to the Citizens Band and the 10 meter Amateur band. The two-day effort, involving personnel from all 35 Commission field offices, resulted in fines totalling \$147,000.

The unlicensed operations were identified as originating from all 50 states, plus the District of Columbia and Puerto Rico. The most active states, according to the FCC, were Florida, California, Michigan, Texas, and Arizona. The equipment in use typically was modified Citizens Band or Amateur transceivers with linear power amplifiers.

Operators included members of organized groups such as World Wide Sideband, Satellite, Alfa Tango, Whiskey Tango, Whiskey Jack, Unidad, Truckers, Eagles International, and Old Timers.

- The ARRL Letter, 12/31/90

ARRL DONATES GEAR FOR MARS IN SAUDI ARABIA: In response to a request from U.S. Army Brigadier General Wesley B. Taylor, Jr., community commander of the Nuernberg (Germany) Military Community, the ARRL has shipped two HF radios for Military Affiliate Radio System (MARS) use by the First Armored Division in Saudi Arabia. "Our present MARS equipment is insufficient for a deployment of this kind," Taylor said, "and we are desperately in need of additional equipment."

The rigs, a Kenwood TS-140S and an ICOM IC-735, were donated in September, 1989, by the manufacturers, for use in Puerto Rico following Hurricane Hugo.

MARS frequencies being used for traffic from the Middle East can be heard on 20.994, 19.532, 14.650, and 14.665 MHz.

MCI Communications Corporation has announced they are providing equipment "to establish 15 new MARS stations" in Saudi Arabia. Since September, MCI has been donating free emergency long-distance telephone service to U.S. military troops in Saudi Arabia through the American Red Cross.

- The ARRL Letter, 12/31/90



Howard Trimble, K6TER, and his wife Evelyn, of Pacific Beach, CA (a San Diego suburb), recently celebrated their 56th wedding anniversary. Howard is a retired Commander from the U.S. Navy. Part of his duty was in China in the early 1930s, where he served on a gunboat in the Asiatic Fleet's South China Patrol. Howard celebrated his 80th birthday on November 15. The Trimbles' Christmas letter says they almost needed the fire department for the conflagration of 80 candles on his birthday cake. We extend our birthday best - a bit late - to Howard, and best wishes for many more. Howard is a BSSS subscriber, and he and your editor have been good friends since 1958. That was when your wet-behind-the-ears new Novice Class Amateur Radio operator - KN6LWB - first met him. Your editor was living in Pacific Beach, and had been licensed for about two months.

- Photo courtesy K6TER

Novice Classes Offered in Madison

The Four Lakes Amateur Radio Club is offering classes to guide non-amateurs to the Novice Class Amateur Radio license. The 10-week series begins Jan. 30, and will meet from 7 to 9 p.m. at the MATC Truax Campus. It may be possible to join the class after it begins. For info, call Tom Kaminski, WT9E, at (608) 233-1845.

- Steve Polishinski, WB9YSD

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Send this form, with your check or money order, to Jim Decker, WB9UQT, Treasurer, P.O. Box 337, Baraboo, WI 53913. **Please do not send cash!**

Peddling Ham Radio: Meet Elroy, WB9GIE

By Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221

Elroy Shelley, Advanced Class WB9GIE, bikes 15 miles daily, thousands of miles a year. Since he lives in a Milwaukee apartment, where outdoor antennas aren't usually allowed and a ham station might cause TVI, Elroy decided to enjoy both bicycling and hamming fully by going bicycle mobile.

Back in 1974, when Elroy was a young biker, he would regularly talk to his brother Don, WD9HAA, and friend Jack, AE9H, on their 2-meter bicycle simplex net. So, it wasn't too difficult to gradually add the HF band rig to his VHF bike.

Elroy still has the same bike; it's one of those heavy, strong models painted in black, a gift for his 12th birthday in February of 1964. As Elroy remarks, "Just about when the Beatles were singing their way into America." But an old bike doesn't attract thieves, and is sturdy enough to carry the equipment. "Someone saw my big bike once and asked, 'What kind of motorcycle ya got?'" It has large touring bags over the back wheel to hold the D-cells on one side, balanced by the radio on the other side. One set of batteries lasts about two or three weeks and, when it gets weak, Elroy receives reports of transmit audio distortion.

On the bike, there's a tiny tube that contains a small tent which can be set up for more permanent operation and even a holder for a water bottle or a soda can.

The HF SSB transceiver is plain. "You don't need lots of fancy features for bicycle mobile," notes Elroy. It's an Argonaut 509 with built-in SWR bridge, "Not much bandwidth at a fairly low SWR, but no vibration problems." Also, a Crystal Calibrator 206 and a CW Filter 208, "But I don't work much CW because it's too hard to send," adds Elroy. "Generally I can run 2 watts out on 10 meters and up to about 4 watts on 75 meters." This QRPp low power works great when the MUF includes 10 meters. The antenna is a vertical with plug-in coil section for each band.

"I'll always remember my first bicycle DX contact," Elroy exclaims. "It was with G3CR at 10:00 p.m. on 10 meters, but somehow, because the signal was so strong, I thought it was a local station. I told him I was biking west on Hampton Avenue near North 108th Street. He said he wasn't familiar with that location, since he was in England. It was such a shock to work England that I biked right past my apartment and kept going. This polar path contact lasted for 40 minutes. It was such an exciting night that I didn't fall asleep until 2:30 a.m."

More DX contacts were made in the following weeks. "There was no need to worry about using the bike as a ground plane, the vertical worked best on long paths with low angle of radiation or Sporadic-E, especially on 10 meters. Next, I bought a 15-meter coil and soon worked the Soviet Union, Japan and Asia. Then I purchased the 20-meter coil and one morning at 7 a.m. QSOed Australia while biking, again up Hampton Avenue. I kept buying lower band coils, so now I'm able to work 75



Elroy Shelley, WB9GIE

through 10 meters and 2 meters."

Bicycle mobile can be more of a contact-getter than a base station. Most people Elroy talks to are amazed, fascinated or confused. "You say bicycle vertical?" one amateur asks. "No, I said bicycle mobile!" Elroy repeats. "Whenever I finish a contact there usually is a pile-up of listeners wanting a contact; that's unusual for me being a station in common Milwaukee."

"A Venezuela ham got his whole family on the air; I talked to them all. Then I could hear him alert his radio amigos on the local repeater in Spanish; they quickly came on the air to work me too."

"A hot-air balloon ham station near Baton Rouge, Louisiana, which I thought was pretty unusual, wrote on his QSL that I was his most unique balloon QSO of about 1,000 contacts."

"I happened to mention that I needed Illinois as my 48th state to someone in Wisconsin during a QSO. An Illinois listener got on his repeater and told his friends to get on to work the bicycle mobile. Illinois worked!"

"Harvard Wireless Club members at WIAF, expecting Russian ham visitors one day, dropped everything and, under third-party rules, handed the microphone to the Russians when they arrived. One of the Russians told me they don't have biking HF hams over there."

"I made contact with the U.S.S. Enterprise CVN-65; they were using a 500 foot long wire, KWM-380, and 500 watts: the world's largest mobile in QSO with the world's smallest mobile!"

He continued with his interesting stories. "One day, I demonstrated my bike where I work and talked to a ham in Sicily. CO2KK in Havana, Cuba, said let's try a low power test; cut his power from 10 watts to 500 mw and I could still copy. Then, because the band was open, CO2KK at 200 mw could still be heard. I have a videotape of me bicycling and making a 2000-mile contact. And imagine getting an SWL card from California. I've hoped for only 4 or 5 states, but worked all states, plus 67 countries."

Not all bicycle mobile trips are a piece of cake

One of the problems on the back roads, besides avoiding potholes, is the wildlife. "A skunk will cross the road, see me coming, and start zig-zagging back and forth," recalls Elroy. "It's a real tense moment whether I will run over the skunk or it will squirt me. Especially scary are big farm dogs. They'll be sleeping on a farmhouse front porch as I ride by at night, wake up, come charging through the corn field and bark, snap, and chase me down the highway. I threw the mike with cable over the handlebars, began screaming and blowing my bike horn in defense. Once I slowed to let the dog overtake the bike and then began aiming for the dog; that was funny at the time."

"As a biker, you find out that red-wing blackbirds protect their territory, and will hover and dive at your head. Once I saw some robins while working the Canary Islands and laughed. While biking near Two Creeks and Point Beach, there were acres of honey bee farms and I had to bike through a swarm of them; I don't want to remember that day. There was a tense moment when a bull in a pasture chased me along a flimsy-looking fence separating us. While I was talking to someone in New Mexico, I couldn't finish the QSO because a horde of mosquitoes was biting me. I'm sure he remembers the biker who went QRT because of attacking mosquitoes."

There are other problems, too. "I had to detour down a rough gravel road near Kewaunee for 12 miles, but discovered many side stories. There was a time when I had to hit the brakes so hard that the pads dug into the tire and caused a flat. Although I like to bike on mild winter days, it's awkward to wear gloves and tune the radio in extremely cold weather. You know, I don't have any ignition noise, but do pick up RFI from cars and lawn mowers."

"Park attendants worrying about muggers or robbers saw me operating my bike mobile while sitting at a picnic table. They said, 'What are you doing?' I looked over at them and said, 'Talking to someone in France!' I'm not sure they believed me. They then asked if I could get the weather report on that thing. Just by luck, the weather net was in progress and I tuned into the repeater frequency on 2 meters for them to hear. They were impressed, thanked me, and walked away."

Elroy may soon be famous. Once when stopping at the Emery Cycle Shop in Milwaukee, Mr. Emery, a silver medal Olympic winner, heard Elroy talk to the Caribbean with the bike mobile rig. He immediately called *Silent Sports* magazine, which covers bike sports, to come and get an interview.

With 250 HF QSOs this summer, Elroy is getting behind in sending out his colorful photo QSLs which show him and his unusual radio bike. By combining biking, camping, and hamming, Elroy created a whole new hobby to enjoy. Even though rigs are shrinking in size and bikes are now made from lightweight composite aluminum, Elroy still finds it a pleasure to make friends around the world and answer questions while operating a modest radio on an old bicycle. □

SAFETY FIRST! Operating a radio on a bike can be dangerous. Do not try bike mobile operation until you are an expert biker. Keep your mind on your riding. Never look at the radio while you are in motion. Safe riding must be your first priority! □

The Unforgettable John Vesel, W9FBU

By C. C. Richelieu, W9JS
P.O. Box 102
Oregon, WI 53575

John F. Vesel was born April 19th, 1892, in Yugoslavia. He immigrated to America, and the Upper Peninsula of Michigan in 1907, at the age of 15. He started work as a laborer in the copper mines. In 1911, he sustained an accidental fall of more than 40 feet during a mine shaft timber collapse, and both of his ankles were broken. With the inadequate health care of that period, the accident permanently restricted John's walking ability. The mining company's financial settlement with John was for \$1800.

The ever-practical John, realizing his permanent handicap would limit his choice of vocations, enrolled in a watchmakers' school in Indiana. Upon completion of his training, he returned to Michigan and worked at his trade until he could save enough money to open his own jewelry store. This he did, when he moved to Greenwood, Wisconsin, in 1917. In the interim, he had married his wife Margaret. To this union was born five sons and two daughters.

His jewelry operation in Greenwood barely provided for his growing family, but John persisted in diligent, hard work. With the advent of the so-called roaring twenties and the dawning of the radio era, John added the famous Grigsby-Grunow "Mighty Monarch of the Airwaves" radio sets to his stock in trade. This proved profitable and, as he would tune these new electronic marvels slightly below the broadcast band, he would hear radio hams talking on the old 180-meter fone band. John was fascinated by this new-found interest.

The writer, W9ARE at that time, was located 15 miles north of Greenwood, in the little town of Owen. John became an avid listener as I, with youthful enthusiasm, announced "W9ARE - The Voice of the Wilderness." John seldom had a QSO with me in the past many years that he did not repeat this old time phrase.

John drove up to see me in 1926, and a friendship was established that endured until his passing. I coached John on the intricacies of ham radio, and he was a fast learner. In February of 1927, I helped him with his first license attempt - and he became W9FBU. He used to announce call as "W9 Fooley Booley Yooey", and his subsequent long-term net operation always carried that nomer. His early day vocabulary was often very "spicy", hi!

The "desperate thirties" was a rough period for John and Margaret. With my help but, more importantly, some sales help from the late Rex Munger, W9LIP, who was Sales Manager of the old Lew Bonn Wholesale Radio Company in Minneapolis, John was introduced to the hand grinding of piezo-quartz radio crystals, a very important (and rare) component essential to stable frequency control in the early days of ham radio. John often told me that it was through his crystal sales that he was able to feed and clothe his growing family in the early '30s.

John was a religiously honest man in all his dealings. He had a well-known reputation for his



John F. Vesel, W9FBU

frank and candid expressions. A very timely incident occurred during the trying years of the '30s - 1937, to be exact - an incident which changed John's life, and also points out the courage of this man's convictions in matters of principle.

While John was continuing his jewelry, watch repair, radio, and crystal business, it was his custom to take a few minutes off each workday afternoon and walk a block to the friendly local tavern. There he would rest and partake of a couple nickel beers. This was his daily siesta. One afternoon, without warning, the tavern owner started to upbraid John for the fact that all he ever spent at his tavern was 10 cents a day for two beers, and that "on the morrow, the price of beer was going up to 10 cents a glass." John could not understand this - he questioned the logic. When he made no headway, he issued his own ultimatum to the tavern owner. He would not be back - ever - but he would do something more important. He would start his own tavern!

John returned to the store and immediately laid plans. He waited for the next village board meeting, and applied for a liquor license. John's business reputation in the community was impeccable - the license was granted!

John wasted no time. He proceeded to dispose of his jewelry and radio stock, and altered the premises into "John's Tavern", and the opening sign read "BEER - 5 CENTS A GLASS". The rest is history. He had a very successful operation; it was profitable from the very first day. It enabled John to better provide for his wife and family during those important growing years.

John gave his oldest son, also named John, to World War II, a casualty on Corregidor in the

Philippines. His youngest son, Charles, became a star football player at the University of Wisconsin in 1958, and played in the Rose Bowl. There were daughters Margaret and Josie, and sons Bernard, Ray, and Bob, all of whom had successful marriages and careers. His loving wife Margaret preceded John in death in 1966, as did his son Bernard in 1987.

I recall with great fondness the memory of my visits with John and Margaret, and especially the profound appreciation Margaret always expressed for my continued friendship with John through the years. John's surviving children are Ray, of Sterling, Illinois; Bob, of Greenwood; and Chuck, of Atlanta, Georgia; Margaret (Brown) of Bergland, Michigan; and Josie (Sowieja), of Escondido, California.

John continued in the tavern business until he had acquired "all I needed." He sold his successful business in 1945, acquired a lovely home in Greenwood, and retired to his jeweler's bench on the glassed-in front porch - and his beloved ham radio. His work day for the past many years consisted of being the key member of his well-known "Fooley Booley Yooey" radio net on 3892, plus or minus, every noon and 6 p.m., 7 days a week. Rain or shine, John was there! This net has continued in daily operation for at least the past 40 or more years, and continues today, missing its most 'dependable' member, John, W9FBU. The times that John would miss one of the daily schedules were very rare. And, if one of the regulars became irregular in attendance, John had only one admonition: "That son-of-a-gun.... so and so.... is very undependable, by golly!", followed by his good-natured laugh and "Yes-siree."

Back in 1977, the FBU Net got together for a picnic at the Greenwood Dam picnic grounds. We had a great time for a few hours, on a Saturday afternoon as I recall, and old John was the center of attention. With his ever-present cigar and an occasional 807 and maybe a Schiebowitz plum brandy from his native land, John was a happy guy. Our picnic was documented by a piece of artwork that only confirms its author as the finest ham cartoonist and caricaturist in the land - our long time friend, Joe Ash, W9ODV, of Sheboygan. This artwork is reproduced near the end of this story.

In that artwork, Joe recorded most of the calls of the midwest hams who were members of the net. Probably the most 'dependable' in John's terms were Bill Hebal, W9NYI, and his brother Fred Hebal, W9AXQ. John's neighbor and personal "maintenance engineer" was Eddie Pekol, W9FPE, of Willard, just a few miles west of Greenwood. Eddie rated tops with John. Often he would tell me of the many favors and help that Eddie was always willing to render.

Another ham of the 'dependable' classification was "Jazzy", W9JYZ, Gil Jaskowski, of Pewaukee, to whom he would often address "endearing" terms in his native language. Up in Kaukauna and points north was W9GIU, Jim Deal, another of John's dependables. K9ONE, Bob Goldamer, and the late W9HDJ, Art Hetzer, also added much to John's daily ham conversations, always with that good

sense of humor.

John is gone, but he'll surely be long remembered as one of the most unforgettable hams who ever lived. He used ham radio in a truly unselfish manner. It was his only outlet to the world the last half of his life. He had not been able to leave his home the last several years, being mainly confined to his wheelchair, but he still managed pretty much alone. Of course his son, Bob, and a younger sister, both of whom reside in Greenwood, were available for frequent check-ins at the house, but he pretty much remained an independent, proud citizen for his entire 95 years. He was still on his radio schedule up to only a day or so prior to his passing. He was a genuinely durable soul!

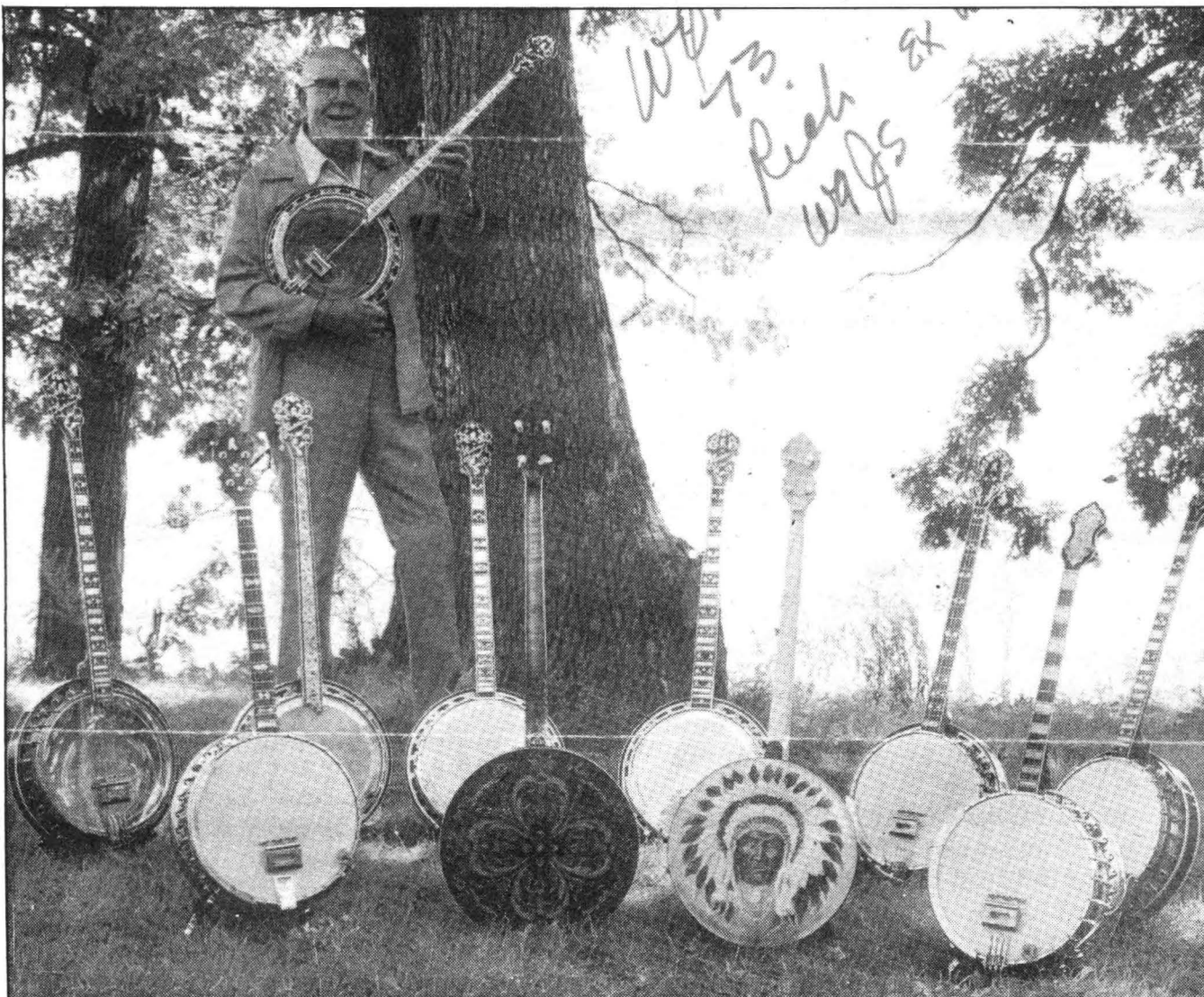
It's 73 and 88 to good old John! He left his mark. He never compromised a principle, and he went out a winner with a worldwide fraternity of radio ham friends - all of whom are just a little bit richer for having known him.

Respectfully submitted in John's memory,

C. C. Richelieu, W9ARE/W9JS



W9JS: "Mister Banjo"



At the young age of 81, C.C. Richelieu, W9JS, is still stepping out on stage. From his touring the nation to his manufacture of banjos and banjo parts by Richelieu, he still finds time to ham. Clyde boasts a KWM-2 and a Hunter Bandit in the office, and a KDK on 2-meter mobile.

Clyde, or "Rich", as he is commonly called, was W9ARE prior to his present W9JS call sign. He was one of seven charter members to establish the

Northern Wisconsin Radio Club in 1923. Rich was recently voted to life membership in the NWRC, and will receive the BSSS as appreciation from the club. 73, Rich, from the NWRC!

Steve Kraft, KE9RW, Sec./Treas. NWRC

Editor's Note: Rich is, of course, the author of "The Unforgettable John Vesel, W9FBU", which begins on page 7 of this issue. □

Gulf Crisis Brings Increased MARS Interest

With hundreds of thousands of U.S. military personnel deployed in the Persian Gulf area for Operation Desert Shield, interest in the Military Affiliate Radio System (MARS) has grown considerably. One of the missions of the Amateur Radio operators who are members of a MARS program is helping support U.S. military personnel by handling written message traffic and, in some cases, phone patches, to the families of service personnel overseas. Needless to say, MARS operators do much to help keep morale up for those who are so far from those they love.

William Kraft, Wisconsin State Army MARS Director, writes to say that he keeps getting reports that people want to inquire about program, but they don't know who to contact. They need wonder no more! For full information about Army MARS, contact William Kraft, State Director, Wisconsin Army MARS AAA5WI/K9NY, 9301 Nine Mile Creek Road, Fall Creek, WI 54742. His telephone number is (715) 832-5323.

There are two other MARS programs: Air Force, and Navy-Marine Corps. We have no contact information for those programs here at BSSS; if the Wisconsin directors or coordinators for those programs will send along the contact information, we will be happy to publish it. Information for publication in *Badger State Smoke Signals* should be sent to Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. □



1991 Wisconsin QSO Party

The 1991 Wisconsin QSO Party, sponsored by the West Allis Radio Amateur Club, will be held from 1800Z March 10 to 0100Z March 11 (12 noon to 7 p.m. Sunday, March 10). The rules and a list of multipliers are printed on this page, and on the reverse side is a score summary form. You may clip and use this form, or use a good quality photocopy of it. If you wish, you may request forms from the West Allis Radio Amateur Club, P.O. Box 1072, Milwaukee, WI 53201.

In the 1990 contest, in the single operator, fixed station category, the top ten stations, county operated from, and scores were:

W9XT	Washington	63935
AC9C/9	Douglas	63128
KB9S	Pepin	45301
WA9BZW	Shawano	41856
WA9TZE	Milwaukee	41076
K9OSH	Waukesha	40970
N9AW	Milwaukee	40368
WE9V	Milwaukee	37964
KB9AIT	Outagamie	34522
WA1UJU	Waukesha	30094

Winning the single operator-mobile category was W9WI, with 22,867 points, topping five other entrants in that class.

WD9EGC won the Novice class, single operator category with 8,370 points, operating from Rock county. He was the lone entrant in Novice/single.

Technician class single op, fixed station honors were taken by N9ICH from Milwaukee county with 4368 points.

Under multi-op, fixed station, KA9LOE topped the list, with 28,424 points from Brown county.

Top multi-op, multi-station mobile was N9KS, with 24,442 points produced by operators N9KS and N9EZ.

Winning the multi-op fixed station category was KA9LOE in Brown county, operated by KA9LOE, KX9M, ND9Z, and N9IPV.

Top multi-op mobile was KA9BXG, with 6340 points under the operation of KA9BXG, N9DFR, and WA9SWX.

Entries were received last year from many states, and from Belgium, Japan, and Canada.

The top Wisconsin club entry in 1990 was the Kettle Moraine Radio Amateurs, with a club aggregate score of 199,824, moving them up from from

2nd place. They switched spots with the W/K Amateur Radio Club of Greater Milwaukee, which dropped to second place with 189,590 points. A total of 19 Wisconsin clubs were represented in the listing of club aggregate scores.

The Wisconsin QSO Party is well-

known as one of the very best such operating events in the U.S. Wisconsin amateurs - and hams everywhere - are encouraged to take part and enjoy the fun!

Please note the deadline for entries is April 15, 1991.

Badger State Smoke Signals would like to print photos of as many QSO Party participants as possible. Color or black and white are OK. Please send photos to BSSS, Jim Romelfanger, K9ZZ, Editor, 412 1/2 Ash Street, Baraboo, WI 53913. □

1991 WISCONSIN QSO PARTY RULES

DATE/TIME: 1800Z MARCH 10 - 0100Z MARCH 11, 1991

MODES: CW and Phone. All stations may be worked once per mode on each band. In addition, mobiles may be worked once per mode per county that they operate from. No Repeater QSOs.

ENTRY CLASSES:

Single Operator Fixed	Multi Operator Fixed	Multi Xmtr/Multi Op Fixed
Single Operator Mobile	Multi Operator Mobile	Multi Xmtr/Multi Op Mobile
Single Operator Novice	Multi Operator Novice	Multi Xmtr/Multi Op Novice
Single Operator Tech	Multi Operator Tech	Multi Xmtr/Multi Op Tech

EXCHANGE: . Wisconsin stations send county. Non-Wisconsin stations send state/province.

FREQUENCIES: CW: 3550, 3725, 7050, 7125, 14050, 21150 ** Suggested frequencies **
Phone: 3890, 7290, 14290, 28400. ** Other bands may be used **

SCORING: Phone contacts count 1 QSO point; CW contacts count 2 QSO points.
WISCONSIN STATIONS: Multiply the sum of QSO points by the sum of Wisconsin counties (max 72), plus states (max 50) plus provinces (max 13).
Note: DX countries count for QSO points but not as multipliers.
NON-WISCONSIN STATIONS: Multiply the sum of QSO points by the number of Wisconsin counties (maximum 72).

BONUS: WISCONSIN MOBILES/PORTABLES: Add 500 bonus points for each county that you operate from, outside your home county, with a minimum of 15 QSOs per county to qualify.

LOGS: Entries must contain a log consisting of: Time (GMT), call, band, state/province, Wisconsin county, mode and a complete Score Summary including YOUR name, address and call. Circle new multipliers as worked. Logs containing more than 100 QSOs must be accompanied by a dupe sheet (separate dupe sheet for each mode). Mobile entries must indicate county changes in log and submit a separate dupe sheet for each county. Entries must be postmarked by April 15, 1991 and sent to:

WISCONSIN QSO PARTY
WEST ALLIS RADIO AMATEUR CLUB
P. O. BOX 1072
MILWAUKEE, WI 53201

AWARDS:

- NON-WISCONSIN:** Awards will be presented to the highest single operator score in each single operator category in each state/province.
- WISCONSIN:** Awards will be presented to the following:
- Plaque to highest single operator score in the QSO Party.
 - 10 highest single operator scores in each entry class.
 - Highest multi-operator score in each entry class.
 - Highest aggregate club score (club member stations to be located within 50 miles of the club except for mobiles).

WISCONSIN COUNTIES				STATES			CANADIAN PROVINCES
ADAMS	FLORENCE	MARATHON	RUSK	ALABAMA	LOUISIANA	OHIO	ALBERTA
ASHLAND	FOND DU LAC	MARINETTE	SAUK	ALASKA	MARYLAND (D.C.)	OKLAHOMA	BRITISH COLUMBIA
BARRON	FOREST	MARQUETTE	SAUYER	ARIZONA	MASSACHUSETTS	OREGON	LABRADOR
BAYFIELD	GRANT	MENOMINEE	SHAWANO	ARKANSAS	MAINE	PENNSYLVANIA	MANITOBA
BROWN	GREEN	MILWAUKEE	SHEBOYGAN	CALIFORNIA	MICHIGAN	RHODE ISLAND	NEW BRUNSWICK
BUFFALO	GREEN LAKE	MONROE	ST. CROIX	COLORADO	MINNESOTA	SOUTH CAROLINA	NEWFOUNDLAND
BURNETT	IOWA	OCONTO	TAYLOR	CONNECTICUT	MISSISSIPPI	SOUTH DAKOTA	NORTHWEST TERRITORIES
CALUMET	IRON	ONEIDA	TREMPEALEAU	DELAWARE	MISSOURI	TENNESSEE	NOVA SCOTIA
CHIPPewa	JACKSON	OUTAGAMIE	VERNON	FLORIDA	MONTANA	TEXAS	ONTARIO
CLARK	JEFFERSON	OZAUKEE	VILAS	GEORGIA	NEBRASKA	UTAH	PRINCE EDWARD ISLAND
COLUMBIA	JUNEAU	PEPIN	WALWORTH	HAWAII	NEVADA	VERMONT	QUEBEC
CRAWFORD	KENOSHA	PIERCE	WASHBURN	IOWA	NEW HAMPSHIRE	VIRGINIA	SASKATCHEWAN
DANE	KEWAUNEE	POLK	WASHINGTON	IDAHO	NEW JERSEY	WASHINGTON	YUKON TERRITORY
DODGE	LA CROSSE	PORTAGE	WAUKESHA	ILLINOIS	NEW MEXICO	WEST VIRGINIA	
DOOR	LAFAYETTE	PRICE	WAUPACA	INDIANA	NEW YORK	WISCONSIN	
DOUGLAS	LANGLADE	RACINE	WAUSHAHA	KANSAS	NORTH CAROLINA	WYOMING	
DUNN	LINCOLN	RICHLAND	WINNEBAGO	KENTUCKY	NORTH DAKOTA		
EAU CLAIRE	MANITOWOC	ROCK	WOOD				

New Products

MFJ-208 VHF SWR Analyzer

MFJ's innovative new MFJ-208 VHF SWR Analyzer instantly gives you a complete picture of your antenna SWR over the entire 2 meter band - without a transmitter, SWR meter, or any other equipment.

All you do is plug your antenna

into the coax connector, set your MFJ-208 VHF SWR Analyzer to the frequency you want, and read your SWR. It makes setting up and trimming your antenna precise and easy.

You can take your battery-operated MFJ SWR Analyzer right to your antenna and measure the SWR of your antenna directly; it lets you eliminate the distorting effects of the coax. You can shorten or lengthen your antenna and see the effect immediately.

You'll find the perfect adjustment for your mobile whip in seconds by

actually seeing the SWR as you move the whip in and out - without transmitting.

You can easily find the ideal place on your car for your mobile antenna by checking different spots with the MFJ SWR Analyzer. You can see your SWR change as you drive under an overpass, and see how mobile whip flutter affects SWR.

You can see how rain or snow affects your antenna. You can check the SWR of the input to your amplifier.

You'll find all kinds of uses for this

1991 WISCONSIN QSO PARTY SCORE SUMMARY SHEET

Call _____ Home WI County _____

Name _____ Club Affiliation _____

Address _____

City _____ State/Province _____ Zip _____

ENTRY CLASS:	Single Op Fixed	<input type="checkbox"/>	Multi Op Fixed	<input type="checkbox"/>	Multi-Multi Fixed	<input type="checkbox"/>
	Single Op Mobile	<input type="checkbox"/>	Multi Op Mobile	<input type="checkbox"/>	Multi-Multi Mobile	<input type="checkbox"/>
	Single Op Novice	<input type="checkbox"/>	Multi Op Novice	<input type="checkbox"/>	Multi-Multi Novice	<input type="checkbox"/>
	Single Op Tech	<input type="checkbox"/>	Multi Op Tech	<input type="checkbox"/>	Multi-Multi Tech	<input type="checkbox"/>

WI Counties Worked From _____

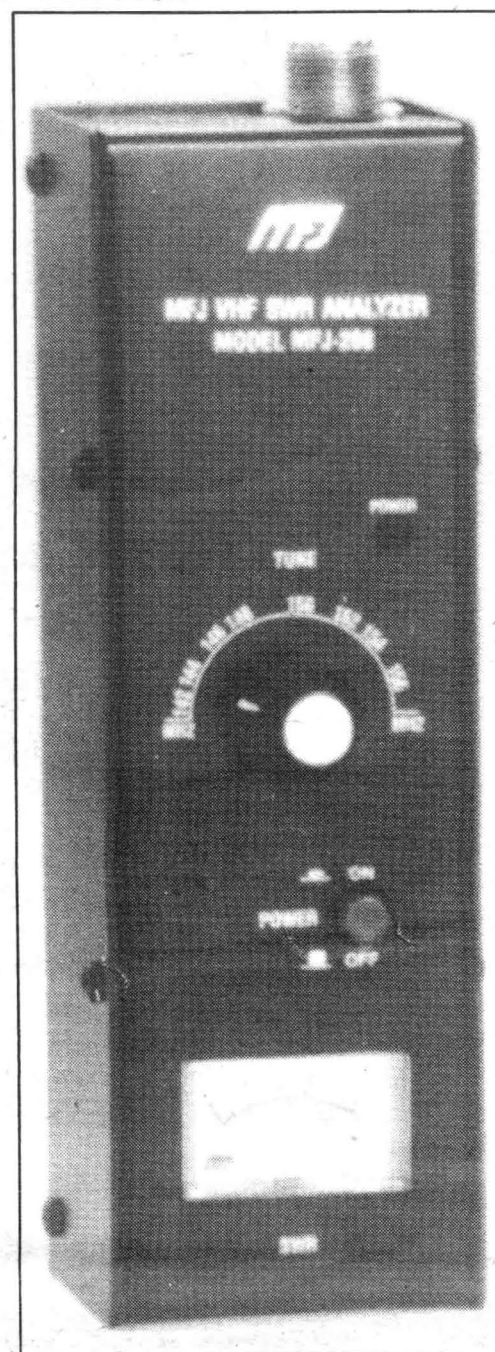
SCORING:	CW QSOs	_____	x 2	=	_____	CW Points
	Phone QSOs	_____	x 1	=	_____	Phone Points
	Sum of CW + Phone Points	_____		=	_____	QSO Points
	Number of Multipliers	_____		=	_____	Multipliers
	Wis. Counties (72)	_____				
	States (50)	_____				
	Provinces (13)	_____				
	QSO Points x Multipliers	_____		=	_____	Points
	Added Bonus Points	_____		=	_____	Points
	Total Final Score	_____		=	_____	Points

I have read and followed the WISCONSIN QSO PARTY RULES to the best of my knowledge.
(All OPERATORS must sign.)

Signature(s) _____

Date _____

To qualify, entries must be postmarked by April 15, 1991. Send to: WISCONSIN QSO PARTY, WEST ALLIS RADIO AMATEUR CLUB, P. O. BOX 1072, MILWAUKEE, WI 53201. Entries may be disqualified if the QSO Party Rules are not followed. The decision of the Wisconsin QSO Party Rules Committee shall be final. Results will be published in Badger State Smoke Signals. All entries will receive the "official results" issue free.



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- MFJ news release

Are you a Badger State Smoke Signals subscriber? If not, why not? Please use the form on page 5!

62 Attend Rock River Radio Club Christmas Party



In the photo above, "Redd" Beneditz, W9IZG, (left) is presented the Rock River Radio Club's "Ham of the Year" Award by Jack Klein, W9YOA, Christmas party chairman. It was the first award ever presented for Ham of the Year by the RRRC. In the photo at right, the group listens to a speech by Wisconsin Section



Manager Rich Regent, K9GDF. From left to right, they are: Barb, N9DIJ; Gladys and OM WB9ADB; KS9P and friend Maria; KA9UPI; W9NHW; N9BZX; and W9MPP and XYL Jean. Denny, WB9MSM, is to the left behind Barb. The rest are too difficult to identify.

- Photos courtesy Duane Haas, W9BCV

62 radio amateurs, spouses, and friends from the Rock River Radio Club, the Green Lake club and the Watertown club enjoyed the RRRC's Christmas party. The speaker was Wisconsin Section Manager Rich Regent, K9GDF.

In other club news, the RRRC has completed teaching its class of prospective Novices. As this is written, 20 students have passed their written examinations, and 10 have passed the code test.

The club is currently holding Technician classes, which are meeting in the evening at the University Extension Center at 143 E. Center in Juneau. More information is available from Dale at (414) 485-4234 or from Duane at (414) 885-4501.

A combined meeting of the RRRC and the Watertown and Green Lake clubs will be held on March 11, 1991. The meeting will be at Rhode's Wooden Wheel, 1102 Madison St., Beaver Dam. There will be a happy hour at 6 p.m., a family style dinner at 7 p.m., and a meeting at 8 p.m. Each club will present a 20-minute program, and they will be judged as to the best. The winner will get a traveling trophy, to be kept for one year. The contest will be repeated next year. Cost for the dinner is \$8.00, and reservations should be sent to KA9FNE, RRRC Treasurer, 155 S. Hyland, Juneau, WI 53039.

- Duane Haas, President, Rock River Radio Club
410 De Clark Street, Beaver Dam, WI 53916

80-Meter Novice Band to Move

On January 10, the FCC announced a change in its rules to move the 80-meter Novice band from 3700-3750 KHz downward, to 3675-3725. The change is intended to "reduce the amount of mutual interference between United States amateur stations and Canadian amateur stations," according to the FCC.

At the time the change (PR Docket 90-100) was proposed, Canadian amateurs operated radiotelephone down to 3725 KHz. The Commission proposed the change in the Novice allocation to prevent inter-mode interference with Canadian 'phone operators. The American Radio Relay League proposed instead

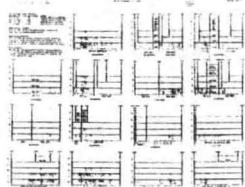
an expansion of the Novice band, to 3675-3750, and elimination of special power restrictions for General, Advanced, and Extra class operators. The FCC denied this, saying (Novice and Technician operators) "would have to share (the expanded band) with large numbers of United States stations transmitting with a higher power."

Last October, Canada's amateur service was "deregulated," in the process removing all mode subbands on 80 meters for Canadian amateurs, in effect rendering the FCC proceeding moot. The Commission went ahead with the change, nevertheless.

The new Novice allocation can become effective no sooner than 30 days after publication in the Federal Register. The earliest effective date would be in mid-February, meaning that the ARRL Novice Roundup (Jan. 26-Feb. 3) will not be affected.

- The ARRL Letter, 1/18/91

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Corrections

Your editor had his mind in its "idle" mode when he prepared his portion of January 1991 BSSS. In "No Recourse Left?" on page 16, an error reverses the meaning of a sentence. It should have read "...the FCC is now in a position to set a date when hams must vacate 220-222 MHz." In the same story, Chris Imlay is the ARRL's General Counsel, not "Council".

In the same issue, we repeated a Swapfest Review about the KMRA Swapfest; that review had already been published in our December, 1990 issue. The photos we published with that review didn't belong there, either. Those photos, taken by Barb Regent, N9DIJ, should have been published with the review of "The Friendly Fest," which appears on page 12 of this issue. We are not printing the photos again because we don't want to confuse you any more than we already are.

Northern Wisconsin Radio Club



Steve Hart, KA9OMC,
Secretary
Route 1 Box 54
Knapp, WI 54749

- Since 1923 -

Greetings, NWRC members and guests!

The officers are sending in this report just before the Jan. 22 tour of Rossbach Communications, in order to meet the print deadline, and to inform you of the club auction. We will follow up on our discoveries at Rossbach's.

The next meeting of the NWRC will be the annual club auction on Feb. 26 at the American Legion Post, 634 Water St., Eau Claire. Meeting time is 7:30 p.m., and the hall will be open at 6:30 p.m. for setup. Please mark all your items with some identification, and indicate a minimum bid you will accept. The club retains 10% of the sale to cover expenses. The sale is final, and items for the auction should pertain to the Amateur and electronics hobby. The club is not responsible for personal losses, so keep track of your stuff. Admission is free to 1991 paid-up members (\$5.00 dues), or \$3.00 to persons wishing to attend, but not to join. You may opt to join the club and obtain BSSS at the \$10.00 rate.

The March 26 and April 23 meetings will be at the Peppermill Restaurant in the Thunderbird Mall, Menomonie. Meeting time is 7:30 p.m.

This is the last call on the *Who's Who* photo album. Please get a snapshot of you and a caption of your interests in the hobby by the April 23 meeting. We will try to get the album together over the summer, and have it ready for you for the fall meeting schedule.

Local Amateur News

Rolin, KE9VA, is looking for someone who might be interested in reading BSSS on tape for him. Call Rolin at 643-7777.

The 205/805 N9HNI repeater has made its move to the new location, northwest of Menomonie. Plans are to add three additional sections to the existing 75-foot tower, when weather permits. Bill, N9HNI, wishes to extend his appreciation to all who helped with the repeater project.

Steve Hart, KA9OMC, Secretary

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Swapfest Review: The MRC Friendly Fest

By Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221

Tables for the sixth annual Friendly Fest in Milwaukee are sold out before opening day on Saturday, November 10, 1990. The Milwaukee Repeater Club, Inc., did an outstanding job to promote their Fest and to invite folks interested in ham radio, computers, and electronics to attend. The Fest is held at Serb Hall, easily found on the southwest corner of South 51st Street and Oklahoma Avenue, which has adequate free parking and is handicapped accessible.

Sellers are admitted at 7:00 a.m. to set up, but a few of the commercial dealers arrive earlier: Coax Connection, Mr. Nicad, Burk Electronics, Tower Electronics, Cable X-perts, and Dee's Tee's computerized caps. As my wife and I arrive at 7:00 a.m., we receive a nice welcome from W9VQD and others, then get our right hands stamped with MRC to confirm admission and allow free access around the Fest rooms. There are many clear computer-printed signs giving easy directions. Reserved tables are neatly covered in white paper and marked with computerized tags showing table numbers and calls. While setting up, we hear considerable public-address system testing for a half hour, wobbly sounding voices, and loud feedback.

More sellers arrive with their treasures: silicone rubber tape, two SX-42s, a drum, bags of Halloween candy, loads of basement goodies, even club groups unload parts to share tables. Vern, W9RYA, has a double deck table, uses shelves to get more square footage, and is wearing his familiar brimmed red cap. There are table displays of computer disks with shareware and public domain programs sorted in boxes for IBM, Commodore, and Apple. Blank disks in bright colors are also being sold.

This is Milwaukee's largest indoor swapfest. The main west room, holding 126 tables, spills over into the hallway with 18 tables, which is then linked to the Hall of the Presidents room with another 68 tables. At times, Warren, K9IZV, is seen working hard with the other coordinators of the Fest, fellow MRC members, making sure that attendees have a nice time. Warren gives out free caps to volunteers that had put in many hours to get things ready.

Midway between rooms are the on-site exams, handled by the Milwaukee Radio Amateurs' Club VEC and volunteer examiners W9JK, KA9MWT, WA9UVX, and W9YCV. You might think that the candidates are taking their bar exams, perched on wooden stools at Serb's beer bar, but they are indeed working on their written exam elements to upgrade or to get their first Amateur Radio license. Fortunately, the reserved exam room has no beverages to soothe test-takers right now.

Friendly the robot, the club's singing mascot, is not seen this year; however, the amicable talk-in operators are busy helping on 146.52 and, of course, 146.91 MHz. Folks in wheelchairs make use of the barrier-free accessibility. Activity peaks about 10:00 a.m., and it looks like there are a few empty tables, probably paid for by people who could not attend because of a change in their plans.

There are many door prizes announced, including \$10 gift certificates redeemable at any Fest vendor. Vendors appreciate getting the certificates to boost their sales a bit. At noon, the Grand Prize \$100 is awarded.

The Fest is affable, kind of like a friend to Amateur Radio. One newcomer mentions that the two widely separated Fest rooms linked by hallways doesn't make the Fest as friendly as it could have been in one room. Yet, whether Friendly is a buzzword, means *user friendly*, or is just a place to bring your friend, there was definitely a good time for everyone. □

Eau Claire Amateur Radio Club

Carl Searing, W9NW
Secretary
1129 McKinley Road
Eau Claire, WI. 54703

Minutes - Meeting of 8 January 1991

The meeting was called to order by President Bill Jablonske, W9NNS, at 7:40 p.m. Secretary's and Treasurer's reports were read and approved.

The Treasurer reminds all members that dues for 1991 are now payable. If you want to be on the club roster, pay up. KB9R, Joe Eide, prepares the rosters, and received a round of applause as recognition for his efforts.

Work on the club trailer was discussed. In light of the fact that the trailer is stored at N9FLK, Darold Patrow's, property, and that he has been active in its repair and refurbishment, that he has had recent heart bypass operations, and upon

learning that his TS-440 power supply had proven to be woefully inadequate to run the rig, KA9HWN moved that the club purchase a 20-ampere continuous-duty power supply for Darold as a gesture of good will. W9NW moved to execute this.

W9NNS gave a local packet update. The club voted \$500.00 to be spent in establishing a node on Meteor Hill. Gear is to be purchased to replace loaned gear, and to update existing equipment.

There was a lengthy discussion on possible club meeting programs for the upcoming year. Bert Spangler, W9ZZI, will act on many of these, and we look forward to some interesting programs.

W9NW listed the dates for Eau Claire VE examinations for 1991.

A signup sheet was passed around for volunteers needed to assist with an annual cross-country ski race to be held on January 19.

Lunch committee: W9BUG, WA9BZU, and KC9NN.

Meeting adjourned at 8:40 p.m., followed by food, coffee, and chatter.

Respectfully submitted:
W9NW, Secretary

Date Set for Code-Free Tech, Disabled Test Changes

Continued from front page

maintained. FCC did not fully agree, saying "telegraphy skill is not so essential to proper operation of a station that transmits exclusively above 30 MHz such as to justify turning away otherwise qualified persons who do not possess the skill."

As for specific licensing requirements, the FCC decided not to accept a recommendation that five questions on operating practice be added to the existing 55-question Technician written exam (30 questions from Element 2 and 25 from Element 3A).

Both the ARRL and the National Conference of Volunteer Examiner Coordinators (NCVEC) had recommended that the Commission in effect create a sixth license class, by recording the subsequent passing of a 5-WPM CW test by code-free licensees. Instead, the upgrade to Technician-plus-CW will not involve the issuance of a new license, as described in the last *ARRL Letter* and *Badger State Smoke Signals*.

Instructors already are gearing up for the expected influx of hams-to-be resulting from the announcement. ARRL's Educational Activities Department is preparing a new class instructor guide for this new entry point into Amateur Radio. EAD seeks ideas from instructors on content of the new guide, as well as suggestions on how to "mainstream" the new Technicians into our ranks (as well as convincing them of the importance of League membership).

Assuming the code-free Technician license becomes a reality on February 14, amateurs who passed Element 2 and/or Element 3A after February 14, 1990, may now qualify for (or have partial credit toward) the new license. (Element credit is good only for 365 days from the examination date.)

And, current Novices and Technicians are advised to retain their license (or a copy) to document that they have passed the 5 WPM Morse code examination, for future upgrades.

ARRL Board members reviewed the Report and Order - and member reactions - prior to the Board meeting January 18-19, where there was an opportunity to consider whether partial reconsideration should be sought on the issues on which the Commission departed from the League's recommendations.

(BSSS Editor's Note: This portion of BSSS was prepared before the ARRL Board meeting. If the Board asks FCC for any changes in the new code-free Technician Amateur Radio license, we hope to have that information in time for publication in this issue; however, it will be very close to our publication deadline.)

CW Testing of the Disabled

Beginning as early as February 14, there are procedures in the FCC Rules for people with certain disabilities to follow who wish to be excused from 13- and 20-WPM Morse code examinations for Amateur Radio licenses. In a Report and Order adopted December 13, 1990, the FCC amended its

rules "to exempt from the higher speed Morse code telegraphy examinations amateur operator licensees who, because of severe handicaps, are incapable of passing these examinations."

The exemptions will *not* apply to the 5-WPM tests, since a demonstration of Morse ability is required for operation below 30 MHz.

The primary concern voiced by the ARRL and others was that such exemptions could compromise the entire volunteer examination program, by putting undue burdens on VEs to make judgements about an applicant's disabilities, as well as in asking non-amateur medical professionals to assess applicants.

According to the FCC, the most objections were

to a proposed list of disabilities, a list drawn up by the government to indicate a person's "employability." Commenter Alan L. Braun, M.D., NS0B, told the FCC "many persons who have handicaps that prevent them from working do not have handicaps that prevent them from taking a telegraphy examination."

As a result, the FCC will "rely on the integrity and the judgement of the physician who signs the certificate to establish, after consulting with the patient, that the person is severely handicapped and because of the disability is unable to pass the telegraphy examination."

"We expect both the examinee and the physician

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to be honest," the FCC said.

Further, the Commission will "develop a briefing paper for physicians that describes the nature of the Morse code examinations."

"Physicians" will be defined as doctors of medicine (M.D.) and doctors of osteopathy (O.D.), only.

And, at the ARRL's urging, the FCC will also require that an applicant for exemption sign a release, permitting disclosure to the FCC of medical information pertaining to the disability. Revised Form 610s, which will include a physician's certification form, will "contain a warning regarding the penalties for making willful false statements to the Commission in violation of 18 U.S.C.1001."

In its Report and Order, the FCC also acknowledged comments concerning "dilution of the amateur service" and "demeaning" the handicapped, saying in the first case that Morse proficiency had not in the past proven to be a "filter" for the service and, in the second, that all handicapped persons still

would be able to choose to take the examinations even if they met the requirements for an exemption.

In the matter of whether a disabled person will be able to give a volunteer examination for an element from which he was exempted, the R&O left to VE coordinators to certify disabled VEs, saying that a disabled licensee could, in some cases, administer exam elements they themselves had not taken.

The Commission used the following example: an Amateur Extra class licensee, acting as a volunteer examiner and having been exempted himself from the 20-WPM examination, still would be capable of administering a receiving exam to another applicant, by the use of taped CW and a written copy of the text sent.

The amendment of the Commission's rules becomes effective February 14, 1991.

- The ARRL Letter, 12/31/90,
published by the American Radio Relay League

Wisconsin Nets Association Ltd.

Continued from page 4

went up 1.7% over 1989, which is good. I hope that this trend continues.

As for 9RN reps, we could use a little more help in this area. Right now, I have only 3 people who are doing the bulk of the duties. I would like to see a few more people help us out. If you are interested, contact me on the net and I will give you more details about where and when, etc. We also have a couple of NCS openings, if anyone is interested.

That about wraps it up for this time around. I hope that we see more of you coming down to see what we are all about on 3.662 KHz at 7 p.m. local time and, until next time, have a good beginning of 1991 and keep that WINning spirit flying high.

73, Larry, WB9ICH

Wisconsin Intrastate Net/Late (WIN/L)

Ed Rice, W9NGP, Net Manager
W-126 Lang Road
Oconomowoc, WI 53066

Here it is, the end of the year already, and time to summarize the WIN/L operations. When you're a net manager, one of your problems is trying to find something new to say in these quarterly reports.

While we continue moderate growth, we are affected by the scarcity of CW traffic due to competition from computerized operations. We can increase traffic if net members originate more traffic: send greetings to relatives and friends in distant places; offer free message service to neighbors. If we want more traffic, it's up to us to generate it. If we don't, our net operation will

diminish to a listing of QNI night after night.

The yearly totals for the WIN/L in 1990 are:

QNI	2201	QTC	791
QSP	504	QTR	4253

These totals are slightly higher than 1989.

Outstanding performances by some operators should be noted:

W9YCV: 227 times checked-in in 1990, and
W9KLN: 92 times 9RN rep in 1990.

I am proud to be associated with these traffic handlers, and extend my sincere thanks for making 1990 a success for the WIN/L.

73, Ed

Five to Fly SAREX 91

On the next scientific shuttle mission, STS-37, there will be five licensed amateur operators aboard; all members of the shuttle crew for this flight are hams! They are: Ken Cameron (KB5AWP), Jay Apt (N5QWL), Lynda Godwin (N5RAX), Steve Nagel (N5RAW), and Jerry Ross. Ross recently passed his Novice exam, but as of this writing has not yet received his call.

The SAREX 91 mission, currently scheduled to fly in early to mid April, will have an upgraded station. In addition to FM voice, FM packet and SSTV, the SAREX package may include a one-way fast-scan amateur television system. This will permit ATV enthusiasts to uplink their ham station pictures to this flying Amateur Radio convention in space. (Thanks SAREX Working Group via ANS.)

- Westlink Report, 1/4/91

Bill to Protect Amateur Radio Spectrum Introduced in House

On the first day of the new 102nd Congress, a bill to prevent loss of radio spectrum by the Amateur Radio Service was introduced by Rep. Jim Cooper (D-Tennessee). Cooper is a member of the House Subcommittee on Telecommunications and Finance, where the bill is likely to be referred for consideration. The bill, the Amateur Radio Spectrum Protection Act of 1991, is designated as H.R. 73.

The legislation proposes that "the Federal Communications shall not diminish existing allocations of spectrum to the Amateur Radio Service after January 1, 1991. The Federal Communications Commission shall provide equivalent replacement spectrum to the Amateur Radio Service for any frequency reallocation after January 1, 1991."

In commenting on H.R. 73, the President of the American Radio Relay League (ARRL), Larry Price, W4RA, welcomed Rep. Cooper's support of the Amateur Radio Service and expressed the hope that many Congressmen will join him as co-sponsors. "We know that Amateur Radio has many friends on Capitol Hill. Our success in defeating unreasonable license fees in 1989 proved that," said Mr. Price.

In the findings portion of his bill, Rep. Cooper states that nearly one-half million radio amateurs are licensed by the FCC, after thorough examination in radio regulations and technical principles of radio communications; that amateurs operate their stations solely with a personal aim and without pecuniary interest; that among the basic purposes of the Amateur Radio Service is to provide voluntary non-commercial radio services, particularly emergency communications; and that emergency communication services by volunteer radio amateurs "have consistently and reliably been provided before, during, and after floods, tornadoes, forest fires, earthquakes, blizzards, train wrecks, chemical spills, and other disasters." However, he also notes that the FCC "has taken actions which resulted in the loss of over 100 MHz of spectrum to Amateurs."

- ARRL news release, 1/8/91

Badger State Smoke Signals strongly urges you to write your Representative in support of H.R. 73. Do not send form letters! Use your own wording. Send your letter to your Representative, U.S. House of Representatives, Washington, D.C. 20515.

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Racine Megacycle Club

Arne Moxness, KA9ZPY,
Secretary
3345 Newman Road
Racine, WI 53406

Meeting was called to order by Brian, WD9FRH, at 7:37 p.m. It was Brian's first official function as vice-president, since the re-elected president, Dave, WB9USI, was out of town. 23 hams were present.

No minutes were read, since by now all members have THE SMOKE SIGNAL, and can read them there. The date printed for the Ham dinner in Racine was wrong. The correct date is Saturday, February 16. More information is on the way.

Treasurer's report was given and approved. Present balance is \$260.43.

Cheryl, WS9P, gave a rundown about the February 16 dinner.

Jim, W9LXY, told about dinner choices, which are soup and salad, and choice of fish, meat or chicken. Rev. Jim, WA0PFV, has indicated he will take care of the dessert.

The *Racine Journal Times* has been told about the dinner.

Old Business

Brian, WD9FRH, asked for a committee to repair the antenna at the Red Cross Building, which

looks droopy (sad).

New Business

Dan, KA9OIL, told about south of the border hams who want to start a new radio club. They are asking for possible assistance from the Megacycle Club, with copies of our by-laws, etc.

Fox Hunt (Hidden Transmitter): Dan, KA9OIL, talked about the Fox Hunt, which was cancelled due to the snow and treacherous driving. The hunt area has been increased to Hwy. 45 west. Maps and revised rules will be distributed at the next hunt. Starting place is still Regency Mall west. You don't need direction finding equipment to attend, since there is room for everyone in the cars. After the allotted time, everyone meets at a restaurant, which will be announced toward the end of the hunt, for pizza, etc.

Bob, W0WLN, told about Silent Ham Ray, who wanted to be buried with his favorite key.

KA9OIL told about the Novice class, which recently ended with 3 new hams. He also discussed starting a sunshine group to represent the club when club members pass away.

Dan, KA9OIL, told about the Klondyke Derby, which will take place at Johnson Park in Racine on Saturday, February 9. Dave, WB9USI, has indicated he needs about 5 volunteers. A signup sheet was presented.

Bill, W9OVC, informed the club that he has arranged for better supports for the tables and chairs used on the grass at Field Day.

Brian, WD9FRH, told about the ARES, where we need more volunteers.

There was discussion about starting a Ham Fest (swap meet) by Racine area hams, but no action was

Racine Area Ham Calendar

Feb. 2	ARRL testing Red Cross
Feb. 3	Kenosha Ham breakfast/meeting
Feb. 9	Klondyke Derby
Feb. 11	Megacycle meeting
Feb. 16	Area ham banquet Racine Yacht Club
Feb. 18	QCWA meeting
Mar. 2	ARRL testing Red Cross
Mar. 3	Kenosha Ham breakfast/meeting
Mar. 11	Megacycle meeting
Mar. 18	QCWA meeting
Mar. 24	Hamfest at Grayslake IL

- Courtesy Racine Megacycle Club

taken since there is already a committee formed.

Steve, K9ZL, was designated club photographer. Steve resigned this year as secretary, and the undersigned took over. As a club officer, I would like to thank Steve for a job well done, and I hope I can ask him for his advice now and then. Trying to write these minutes, I can see it is no easy task to be secretary.

Jim, W9LXY, has volunteered to be club historian and QSL manager.

Bill, W9OVC, has resigned as program chairman, and I thank him for a job well done. The club now needs a program chairman. Please help out if you can spare some time. We don't want to meet every time without a program, do we? Today's program about packet was cancelled due to an engagement conflict with speaker Carl, N9BYS.

The club now has a P.O. box, thanks to Dave, WB9ZIO. He has volunteered to check the box regularly.

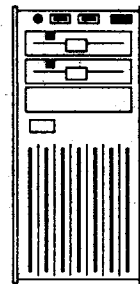
Please turn to page 19

ATTENTION REPEATER OWNERS—DELTATONE™ 2.0

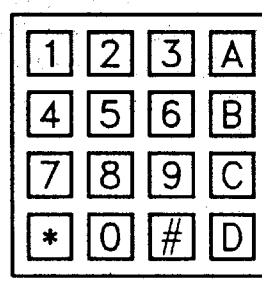
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Free BSSS for Wisconsin Area Desert Storm Amateurs

Badger State Smoke Signals will be sent, by first class mail, and at no charge, to Wisconsin and area Radio Amateurs serving in Operation Desert Storm. The free subscriptions will be furnished to them *only* during their tours in the Persian Gulf area. To hold our expenses down, we would like to limit the number of free subscriptions to around 20, if possible. If we do receive more than 20 requests, we will TRY to accomodate them. We may also, at

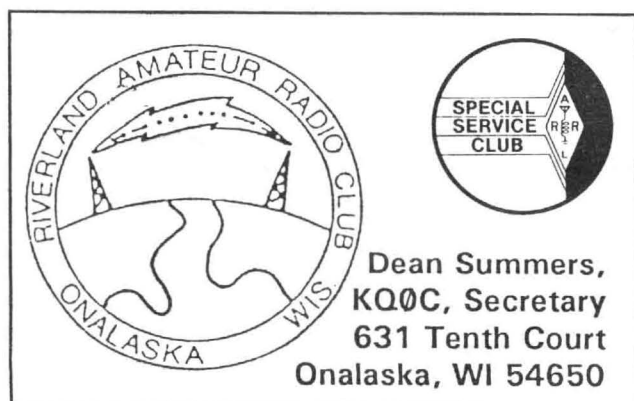
some point, have to set a time limit on this service.

If you are aware of a Wisconsin area Radio Amateur serving in Desert Storm, please send his/her COMPLETE military mailing address, including APO or FPO, to Badger State Smoke Signals, Ken Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901. We will try to include a short note with the first issue to each serviceperson, explaining the free subscription. □

QCWA/55 Has New Treasurer

Wisconsin Chapter 55 of the Quarter Century Wireless Association has a new treasurer. He is Bob Shady, KB9XR, 905 East Doty Place, Milwaukee, WI 53207. Bob was appointed to the position after the elected treasurer, Fred Becker, W9KKM, had to relinquish the post due to health problems.

- Les Peterson, W9YCV



Dean Summers,
KQ0C, Secretary
631 Tenth Court
Onalaska, WI 54650

The January 1991 meeting of the Riverland Amateur Radio Club was called to order by Walt Altus, WD9GCR. A check was made to see if a quorum was present. There was, verified by Charlie, KA9UUK.

Three guests were introduced: WA9FIO's daughter Kathy and Chris. Also, Larry Olson, KB9FKI, was a guest.

The minutes were read from the December 4, 1990 meeting. There were no corrections or additions. It was moved by Charlie, KA9UUK, to accept the minutes, seconded by Rick, KV9U, and the minutes were accepted. Arby, WF9T, the treasurer, was not present. Possibly back from the islands. Dues for 1991, accepted.

Committee Reports

Rick, KV9U, Good Operator Committee, said that a member said strong things against members on the 97 machine. Sent letter to member regarding the statements, asked for meeting to resolve the situation. Sent letter to individual and was refused delivery.

Questions or comments: Charlie, KA9UUK, objected to the innuendo that the club is a bunch of old fogeys and cheapskates. This type of talk should not be talked about on the air. It should be brought up at club meetings and voted on, not discussed on the air. Tom, N9KIA, said the matter should be tabled until later.

Committee Appointments

Technical: Dan, WC0V; Van, WA9FIO

Publicity: Scott, KA9FOX

Field Day: Open

Repeater Control: Dick, K0JYB

Hamfest: Charlie, KA9UUK; Arby, WF9T; Dick, K0JYB

License Exams: Rick, KV9U

Repeater Control Committee, Dick, K0JYB:

Establish guidelines for use,
Most repeaters have conservative use,
SkyWarn, meetings, hamfest.

KC0T, Minnesota Section Manager: Nationwide phone patch survey conducted by OO from ARRL - purpose is to identify and correct non-legal use:

1. Business use
2. Non-reciprocal agreement
3. Calling home to ask what is needed from store
4. Outside normal use
5. Intra and inter to avoid toll charges
6. And others.

Hamfest Committee: Charlie, KA9UUK, asked about La Crosse Center use. Cost at this time undetermined. Possibility for use discussion for day. Weekend is a must. Growth is going to have to be considered.

Old Business

Microphone for repeater. Letter to K9EN for the computer challenge yet to do from Dick, K0JYB.

New Business

Rick, KV9U, book order for the club for ARRL books.

Banquet: Jan. 12, Christophers' at 6:30 p.m.

Drawing last year. Motion by KV9U to do again for drawing. 2nd by John, KA9ETH. Discussion. Vote passed. Art, W0JDC, voted nay because he didn't want it to be unanimous.

A demo by Dan, WC0V, followed the meeting on the DTMF selective calling feature in the new handhelds. A nice dessert was provided by the XYL of Joe, WA9SOQ.

Respectfully submitted: Dean, KQ0C

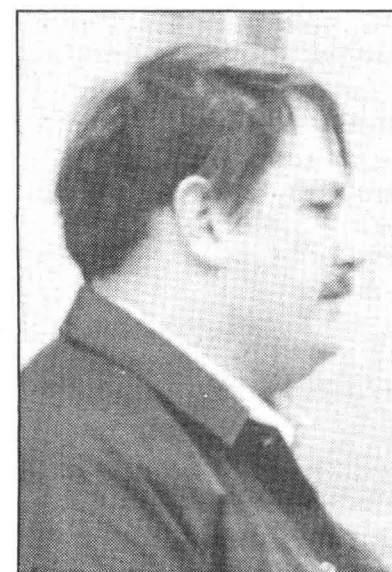
Dues were accepted from John, KA9ETH; Duane Fruechte, W9HWQ; Rick, KV9U; Van, WA9FIO; and Charlie, KA9UUK.

Attendance

Walt Altus
Dean Summers
Scott Neader
Charlie Burch

WD9GCR
KQ0C
KA9FOX
KA9UUK

Madison Amateur Tips CNN as Soviet Troops Kill Lithuanians



When Soviet troops and tanks began killing civilians in Vilnius, the capital city of the Baltic republic of Lithuania, radio amateurs there were on the air, describing the assault on unarmed people. One of those listening to the accounts on the Amateur Radio bands was Steve

Wiswell, WD9FLI, pictured above, of Madison.

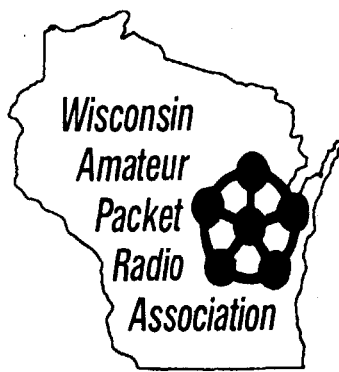
Steve called the Cable News Network (CNN) to help break the news. The network called Steve back, and he let the network listen to the Lithuanian Hams. Steve was also interviewed on Madison television, and was the subject of a front-page story in the *Wisconsin State Journal*.

Steve said in the *Wisconsin State Journal* that the Lithuanian hams "wanted to make sure that the worldwide news media knew what was happening. You could tell in their voices that they were terrified. They wanted to keep communicating so the message got out. It was by far the most dramatic thing I've listened to. It was an educational experience. It gave me a better appreciation for democracy."

Vilnius is a "sister city" of Madison, Wisconsin. □

John Burcum
Tom Gromacki
Joe Mazera
John Jorenby
Rick Williams
Van Elston
Karl Simonson
Duane Fruechte
Dan McKenzie
Dick Low
Art Osborn

K9OAH
N9KIA
WA9SOQ
KA9ETH
KV9U
WA9FIO
KB9EOI
W9HWQ
WC0V
K0JYB
W0JDC



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPRA)

c/o Carl Schumacher, N9BYS

7740 Evergreen Terrace, Burlington, WI 53106

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

Sheboygan - Manitowoc BBS.....

144.99 is the frequency for the new BBS serving the Sheboygan / Manitowoc area. KD9PE-BBS has been online since early December. Another BBS is planned for the Manitowoc area in the near future. When the Manitowoc BBS is active, the two systems will be linked to provide better service along the west shoreline of Lake Michigan.

WAPRA Member Update.....

Please add the following names to your WAPRA membership roster:

Karl G. Bruehl	KC9AD
Glenn Butzlaff	WE9K
Ken Goetsch	KA9JJY
Diane Hamman	KA9BHK
Mike Hamman	KA9BHL
Steve Loeffler	WB9ZRE
Guy Luempert	WB9NET
Harry Martens	WAOMFZ
Robert J. Martin	KA9EOK
Don Meyer	KD9PE
James E. Noonan III	WK9N
Clarence Peckham	NT7V
Glen Rantala	WA1UJU
Lynn Tamblyn	K9KR
Bob Willett	K9UML
Michael D. Willis	KE9QV
Bruce Zabler	K9RRS

BBS Beginner's Tips.....

(Editor's Note: This is the second and concluding installment of the BBS Beginner's tip article. Part 1 was published in last month's BSSS.)

Okay, let's continue our look at the R command which, as we now know, means (R)ead. R 1234 would bring us message #1234. RM can be used to Read Mine, etc. Very nice so far, but a few R commands are a no-no! Some of these may not be available in your local BBS, but you should know to avoid them if they are.

In an earlier bulletin we discussed the LB (L)ist (B)ulletins command which you should try to avoid, as it could bring you a flood from the BBS, tie everything up, and cause everyone on frequency to hate you. Well, the same applies to a sneaky little command called RA or RB, which works on REBBS and some other BBS programs. Nice little command, but please don't use it! You're asking the BBS to let you read EVERY bulletin it has, which could be hundreds! If you thought LB brought on the wrath of the neighboring hams,

wait til you see what this one does. They're liable to make a midnight trip to your home and stick tiny hard-to-find pins in your coax!

Another problem could be caused by the RD command on some BBS's. RD > YYMMDD will give you all messages NEWER than that date. So, if you're away for a day, and today's Nov 10th, you could enter RD > 901109 which would give you all the messages received for the past 24 hours, etc. That's OK, but let common sense prevail and don't tie everything up. Obviously asking for a month's worth is pure dumb. You'll never be able to read them, nor would you be interested in all of them. Use the LL xx command (covered earlier), and pick out those you want to read.

Now, before I get a flood of angry notes from sysops for even MENTIONING these "forbidden" commands, let me remind you that they ARE listed in the "(H)elp R" files of BBS's so-equipped, so anyone could stumble across them. Perhaps some day those who write the software will make these "sysop-only," but in the meantime we must rely on the integrity of users NOT to use them for fear of fast and terrible retribution!

Another R command that isn't used too often can be helpful in tracing the path of a message. Instead of using R 1234, use RH 1234. RH means (R)ead (H)ead, and it will show you the BBS's and locations your message took in reaching you as well as the dates and times it was received at each BBS. If a message from Aunt Minnie took a week to reach you, you can see where it was held up and drop that sysop a nasty note. He'll just love hearing from you.

Again, remember some of these commands are not available on all BBSs. If you enter one, and the BBS burps and says HUH? then use something else.

Of all the BBS commands, downloading seems to confuse most packet beginners, so let's take it slow and easy.

First of all, you might ask, "Why should I want to download files? I see everything that's new when I connect to the BBS every day and do an LL 20." True, that command will give you a list of the last 20 bulletins received, but what of the other information that may be available? Often a BBS sysop (BBS SYStem OPerator) will store a lot of valuable info in subdirectories to be accessed and downloaded by users just like you. A lot of it can be very interesting and informative. Why just read one book, when you have a whole library at your fingertips?

Okay, but how do we find out what's in the library? Ask the librarian! On a BBS her name is W which means (W)hat. Enter W at the prompt, and the BBS will give you a list of FILE TOPICS. These are the different subjects covered in

different sections of our BBS "library." As an example, entering W might give us a list like this:

```

GENERAL  -- General information
NEW      -- Info and tips for packet beginners
LISTS    -- NODES, PBBS and USERS lists
FREQ     -- Scanner, and other frequencies
MODS     -- Tips on modifying equipment
NTSOP    -- NTS information
RACES    -- RACES items of interest
DIGICOM  -- Notes for DIGICOM users
ROSE     -- Info on the new ROSE SWITCHES
MAPS     -- FL packet maps
(etc.)

```

Now before you get too excited, let me stress that every BBS will probably have a different list of file TOPICS, depending on what the sysop believes will be of the most interest in his area. These happen to be a few of the file topics available at the KB4VOL BBS, but each BBS will be different. Some will have more...some less, and some BBS's may just have a list of the topics, without any description.

"Wonderful," you say, "but how do I get at them?" Well, first things first! Now that we know what topics are in our BBS library, we have to find out what "books" there are under each topic.

Each TOPIC file contains a bunch of individual files, all more or less on the same subject. To get that list we enter W TOPICNAME. Example: If our initial W command gave us a list of TOPICS, maybe one was called MODS. We want to see what's in there, as there may be some information about our two-tube Super Whatzis Two. So, we just enter: W MODS and the whole list will be presented for our scrutiny. If our two-tube pride and joy is listed, we might find out something interesting about it, like how to make it work.

Now before some BBS sysops start banging their heads against the wall, let me mention that some BBS programs handle their file listings a bit differently. If you enter the W for the list of TOPICS, your BBS might come back with a list like this:

```

WA MODS
WB ARRL
WC AMSAT
(etc.)

```

This is a bit different than the list presented in the last bulletin, but the only difference is listing the FILES under each TOPIC. Example: If we see this type of a listing, and we want to see the MODS list, enter: WA -not- W

MODS and you'll get it. For ARRL enter WB and so on. Simple, huh?

Now that we know how to browse through our BBS "library," we'll see what we have to do to get at these files.

We've covered the different ways of using the W command to see the world of files in the subdirectories of the BBS "library." Now let's see how we can get at them. For this we use the D command which means (D)ownload.

Here's where things start to get a little complicated! There are about four major BBS programs in use these days and, unfortunately, they each have a slightly different way of doing things. So, take a deep breath and hang in there! Okay! We mentioned one type of BBS where the W command would bring a list which might look like this:

```
ARRL
MODS
(etc.)
```

With this type of BBS we see what's in each directory TOPIC by entering W (TOPIC) with W MODS as an example. Let's say we have a WHIZBANG rig, and we want to see if there are modifications for it. Part of the W MODS list might show:

```
WHIZBANG.1
WHIZBANG.2
```

Wow, there are two of em! But how do you get at them? With this type of BBS enter: D MODS WHIZBANG.1 (note the spaces) and you'll get it. You're asking the BBS to (D)ownload a file from the MODS directory, and that file is called WHIZBANG.1 After you've got that one safely tucked away on your printer or disk drive you can download the other one with D MODS WHIZBANG.2 Something to remember! Most BBS's, in their list of files, will show the file size. Like: QING-BAT.DOC 13k

Keep an eye on that file size, and if you're downloading stuff to a small buffer, don't overload it or you may lose everything! Obviously there's no way a 13k file could fit into a 5k buffer! However, most sysops will take a large file and break it down into smaller pieces before putting it into their subdirectories. So it's quite possible that our WHIZBANG.1 and WHIZBANG.2 aren't too separate MODS, but a long one broken down into two parts for ease in downloading.

Now, the sticky part! If you enter W and get something that looks like:

```
WA ARRL
WB MODS
(etc.)
```

-OR- you try D (TOPIC) (FILENAME.EXT) and you get an ERROR message, then you're connected to a different type of BBS from the example shown above.

As already explained, the way this command is entered depends on the type of BBS you're connected to. One type accepts the command: D TOPIC FILENAME.EXT as we explained in Tip #11. This BBS is probably using AA4RE software. Let's look at another one!

If, when you enter the command W for (W)hat, you get a list like this:

```
WA ARRL
WB MODS
(etc.)
```

You're connected to a BBS which is probably using RLI or CBBS software. We see what files are in each category by entering WA, WB etc. Okay, let's see what's in the MODS file by entering WB. After we get the list we see there's a file for our WHIZBANG rig, and it's called WHIZBANG.INF but how do we get it? Simple! Enter DB WHIZBANG.INF and there it is! (Note the necessary space after DB.) What we've done is requested the BBS to (D)ownload a file from subdirectory B and that file is titled WHIZBANG.INF.

Here are some more. If, when you enter W, you get this:

```
BANDPLAN.TXT 2045
MODS (Dir)
(etc.)
```

Then you're looking at a BBS combining direct-access files with those in subdirectories. This BBS may be running MSYS software. To (D)ownload the direct ones enter: D FILENAME.EXT or D BANDPLAN.TXT as an example. To see what's in the subdirectories, enter W (DIRECTORYNAME), or W MODS. Now, downloading from a subdirectory on this type of BBS is a bit different! We must use a slash mark in the command. D DIRECTORYNAME/FILENAME.EXT or D MODS/WHIZBANG.INF as an example. Note the only space in this command is after the D. (Note: many sysops using this software don't bother with subdirectories in which case you'll see the whole list when you enter W with no (Dir) entries. Just use D FILENAME.EXT to get what you want.)

Okay, let's set the scene. You want to get hold of Joe, who's a ham over in Podunk. You know he was active in packet, but you haven't seen him on lately. What to do? Well, the obvious thing would be to leave him a message on your local BBS with the SP command. But, it might just sit there if he doesn't connect, or see it in the BBS's "Mail" beacon. But, you have another choice. You can play detective!

Some BBS's accept the DU command, which means (D)ownload (U)ser. To use it enter: DU (CALLSIGN). As an example, DU KC4ZZZ. Now if Joe has registered at your local BBS it might come back with a line like: KC4ZZZ 900615/1410 6 KC4YYY JOE (There might be other information given, but this is what we're interested in.) Hmm! According to this, Joe has only checked into that BBS 6 times, and the last time was back on June 15 at 1410. Gee, guess he's not on packet anymore. But wait, here's another clue! He listed KC4YYY as his "home" BBS, and that one is in the next county on a different frequency! On a hunch we connect to it, do a DU KC4ZZZ and there he is, still very active! Now we know we can send him a message simply by entering SP KC4ZZZ @ KC4YYY on our local BBS, and it will automatically forward it to his BBS. Our detective work has paid off!

But the DU command only works on some BBS programs. If yours is running something else, and you enter DU (CALLSIGN) it will come back with "What?" or some other error message. Now what? Well, we can try the J command which lets us look at the BBS's log. It won't be as informative as the DU command, but it might give us a

clue.

Unfortunately, the way to use the J command also depends on what kind of program your BBS is running! Try J by itself and see what you get back. If the BBS is running separate ports on different frequencies, enter JA, JB (etc.) to get the list of calls. But these will probably be calls HEARD lately, not necessarily those who CONNECTED. To get those, try J, JL or JK. If it's a multi-user program, like the AA4RE BBS, JN will show you who's connected at the moment, besides yourself. Don't be afraid to try different commands on a BBS. You can't "hurt" it! If it doesn't recognize what you sent as a valid command it will give you an "error" message, and you can try something else.

Are you getting frustrated because every time you enter something the BBS responds with "What?" "Huh?" or, worse yet, "Go away!" (No, I've never seen a BBS do that, but it's an interesting thought!) Anyway, you've tried everything you can think of, and the dumb thing still doesn't understand you. Screaming will only startle the neighbors, so don't do that. Instead, let's discuss "What-to-do-when-all-else-fails?" The answer is simple...ask for help!

However, this brings us to the old problem. Different BBS programs recognize slightly different commands, but the (H)elp command is pretty standard. So, enter H by itself and see what you get. It should be a short list of the commands available on that BBS, and what each one does. Okay, let's say you want to find out how to (S)end a message. Here's where some BBS's differ. We now know that H means (H)elp, so first try (COMMAND) or, in this case, H S (note the space!) If your BBS responds to this command it should give you complete directions on (S)ending a message. But suppose you get that dreaded "What?" again? Okay, some BBS's do it a slightly different way. Try entering ?(COMMAND) or ?S in our example (note NO space!) Either one should work. But, if all else fails, or you don't understand the directions the BBS gave, what then? Ask the BBS


(SYStem OPerator)! Try the I command, in case he's in the shack, or leave him a message with the SP command, both of which were covered in earlier Tips bulletins. Remember, your BBS sysop WANTS to help you get the best use out of his BBS! He probably has several thousand dollars tied up in computers, rigs and associated equipment, plus untold hours spent every day just maintaining the BBS for the benefit of the local packet community. He wouldn't have made this commitment if he wasn't more than willing to help packet newcomers earn and enjoy this fascinating part of our hobby. So, don't ever hesitate to ask him about anything. Remember, there is no such thing as a "dumb question!"

Well, we've come to the end of the line with our Beginner's BBS Tips series, and I hope they've been helpful to those just starting out in packet. We've tried to cover most of the basic commands you'll need to use the BBS your local sysop has provided. Check in often, read the bulletins that interest you, download the files available, and use the BBS to send or receive messages from your friends. That's what it's there for. Enjoy it!

Bill - KB4VOL @ KB4VOL

Yellow Thunder Amateur Radio Club

**K9ODK
WB9FDZ**

 **Duane Grotophorst, KA9HKL,
Secretary
E5767 South Line Road
Loganville, WI 53943**

The YTARC meets in the Baraboo Civic Center, 2nd and Ash Streets, at 7:30 p.m. Upcoming meetings:

Wednesday, February 13
Thursday, March 14

Room 14
Room 24

Minutes of YTARC January 15, 1991 Meeting

The meeting was called to order at 7:55 p.m. by President Art Kleefisch, W9WSS. The following members and guests were present:

Steve Schwoegler, WB9RNL	Wisconsin Dells
Duane Grotophorst, KA9HKL	Loganville
Anne Klinkner	Sauk City
Bill Klinkner	Sauk City
Bob Sauvin, WT9Q	Sauk City
Harry Westlund, K9EHJ	Baraboo

Jim Decker, WB9UQT
Marvin Kaiser
Dennis Sweeney
Joe Sweeney, KB9ERR
Dennis Sweeney
Harry Mayland, K9FFT
Jerrold Lamb, N9JQF
Art Kleefisch, W9WSS

Baraboo
Wisconsin Dells
Portage
Portage
Portage
Baraboo
Baraboo
Baraboo

The minutes were approved as published in BSSS. The treasurer's report was accepted.

Art described the new non-code Technician class license, and a general discussion followed on the subject. The subject of Novice license classes was brought up, and with the new Technician class license, it will likely be included in the new classes that are planned to begin in April.

The subjects of possible future programs were discussed. Some of the ideas put forth were: DXing, satellites, weak signal VHF, NiCad batteries, and others.

Two new members were voted upon and approved. They are:

Joseph Rowland
Bob Sauvin, WT9Q

Portage
Sauk City

Buck Nite winner was Peter Sweeney, WD9JIB, who was not present. Next month, the drawing will be for \$2.00

Duane Grotophorst, Secretary

Racine Megacycle Club

Continued from page 15

Dan, KA9OIL, told about a possible class of Tech Plus in February.

The next month, the Electric Company will hold the meeting which was cancelled earlier. It will be about electrical safety, and will include models and illustrations.

The meeting was adjourned at 8:35, and most everyone met at the restaurant for coffee.

The Megacycle meeting will be held February 11 at 7:30 p.m.

Respectfully submitted:

Arne Moxness, KA9ZPY, Secretary

Madison Special Event Station

The West High School Amateur Radio Club in Madison, WI will operate special event station KB9NG April 22-26, to commemorate the school's Fine Arts Week. Operation will be from 1300Z to 2200Z in the lower 30 KHz of the General class 15 and 20 meter phone bands, and in the 10 meter Novice phone band. QSL with SASE to WHARC, 30 Ash St., Madison, WI 53705.

Taylor County Area Amateur Radio Club

**Rolland Walty, W9LEE,
Secretary
W4117 Hwy. 102
Westboro, WI 54490**

Next meeting: Feb. 14, 1991, at 7 p.m. in the Taylor County Courthouse Annex, 2nd and Ogden, Medford, Wis.

Minutes of January 10 Meeting

Meeting was called to order at 7:16 p.m. by President N9GEN. Present were WD9ASX, KE9LX, N9GEN, NZ9U, KE4FE, KA9UXN, KB9BLV, N9GHZ, WD9FWP, W9QHI, W9LEE, and R.J. Sacho.

Minutes of the December 13 meeting were read and approved, with one correction. The expired ID cards were issued by the Office of Emergency Government, NOT the Sheriff's Department.

Treasurer's report indicating an increase of \$20.00 over the previous report was accepted.

Next order of business was election of officers for 1991. The results were as follows:

President: N9GEN
Vice President: KB9BLV
Secretary: W9LEE
Treasurer: WD9FWP.

N9GHZ's offer to assist with the newsletter was accepted.

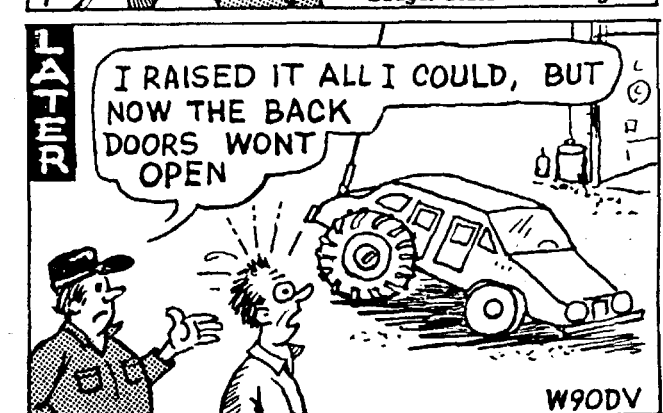
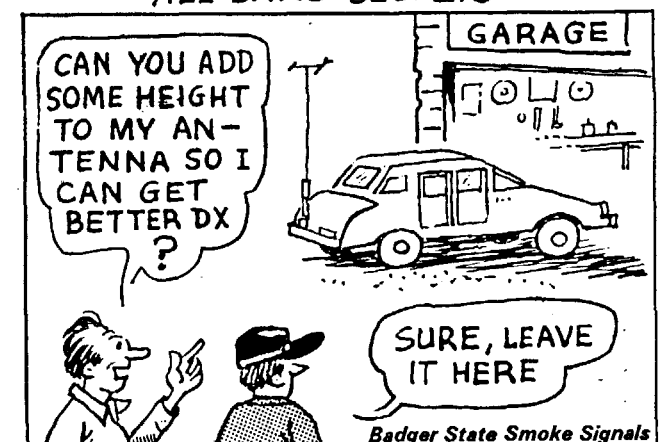
The reduction in receiver sensitivity and the occasional malfunction of the autopatch on the W9QHI repeater were discussed. W9LEE was instructed to check the preamp and recheck the level adjustment and programming of the autopatch controller, and also to install a power line filter when one is obtained.

N9GHZ announced that the Abbotsford High School would again hold a Hi-Tech Fair some time in April.

Meeting was adjourned at 8:35 p.m., after which a short videotape was shown by N9GHZ.

Rolland Walty, W9LEE, Secretary

ALL BAND SLOPER



WPDR 1350 WDDC FM100

Portage, WI

Darrow's

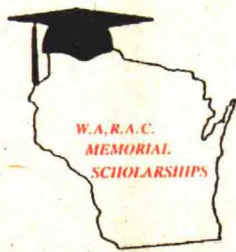
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